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सं० 5] नई दिल्ली, शनिवार, जनवरी 31, 1981 (माघ 11, 1902)
No. 5] NEW DELHI, SATURDAY, JANUARY 31, 1981 (MAGHA 11, 1902)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 31st January, 1981

SPECIAL NOTICE

The following holidays will be observed by the Patent Office, Calcutta during the year 1981.

Name of Festival	Day of the week	Date
Netaji's Birth Day	Friday	January 23
Republic Day*	Monday	January 26
Sree Panchami	Monday	February 9
Doljatra	Friday	March 20
Mahavira Jayanti*	Friday	April 17
Good Friday*	Friday	April 17
Buddha Purnima*	Monday	May 18
Id-Ul-Fitr*	Sunday	August 2
Independence Day*	Saturday	August 15
Gandhi's Birth Day*	Friday	October 2
Durgapuja (Mahasaptami)	Monday	October 5
Do. (Mahastami)	Tuesday	October 6
Do. (Mahanavami)	Wednesday	October 7
Do. (Vijayadasami)	Thursday	October 8
Id-Uz-Zuha*	Friday	October 9
Kalipuja (Diwali)	Tuesday	October 27
Muharram*	Sunday	November 8
Guru Nanak's Birth Day*	Wednesday	November 11
Christmas Day*	Friday	December 25

*Essential Holidays.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section of the Act.

The 26th December 1980

1430/Cal/80. Centrum Konstrukcyjno-Technologiczne Maszyn Gorniczych "KOMAG". Device for directing the rack.

1431 Cal/80. Veb Kombinat Fortschritt Landmaschinen Neustadt in Sachsen. A method for rendering harvested cotton stem growth proof against cotton pests.

1433 Cal/80. Sumitomo Chemical Company, Limited. Process for producing 2-hydroxynaphthalene-3-carboxylic acid.

1433 Cal/80. Wavin B. V. Centring device for shaping tools of extrusion presses.

1434 Cal/80. Eutectic Corporation. Mixing assembly for a gas torch.

1435 Cal/80. Permelec Electrode Ltd. Electrolysis apparatus using a diaphragm of a solid polymer electrolyte, and method for production thereof

The 27th December, 1980

1436 Cal/80. Institut Francais Du Petrole. Improved process for consolidating geological formations.

1437 Cal/80. Institut Francais Du Petrole. New process for consolidating geological formations.

1438 Cal/80. General Electric Company. Continuous metal casting method, apparatus and products.

The 29th December, 1980

- 1439/Cal/80. M. A. N. Maschinenfabrik Augsburg-Nürnberg Aktiengesellschaft. Apparatus for venting and deaerating from a liquid circuit.
- 1440/Cal/80. Hamon-Sobelco, Societe Anonyme. Streaming sheet for a device furnishing an installation for putting a liquid and a gas in contact with each other.
- 1441/Cal/80. M. A. N. Maschinenfabrik Augsburg-Nürnberg Aktiengesellschaft. Injection and mixture formation process and apparatus to implement same.
- 1442/Cal/80. Vallourec SA. A process for fixing a tube by expansion, a tube expander capable of being used for carrying out the process, and the assembly produced by means of the process.

The 30th December, 1980

- 1443/Cal/80. Robert A. Goepp, Uwe E. Freese and Marvin P. Loeb. Custom valved cervical cap.
- 1445/Cal/80. F. L. Smidth & Co. A/S. Rotary kiln with planetary cooler tube outlets. (January 2, 1980).
- 1444/Cal/80. Ireco Chemicals. Formulating and delivery system for emulsion blasting agents.
- 1446/Cal/80. Westinghouse Electric Corporation. A method for tailoring forward voltage drop (VTM) switching time (t_n), and reverse-recovery charge (Q_{rr}) in a power thyristor using nuclear particle and electron irradiation.

The 31st December, 1980

- 1447/Cal/80. Boardman Energy Systems, Incorporated. Heat or cold storage composition.
- 1448/Cal/80. Cummins Engine Company, Inc. Apparatus for controlling dynamic response and method of making same.
- 1449/Cal/80. Mitsui Toatsu Chemicals, Incorporated and Toyo Engineering Corporation. Process for synthesizing urea.
- 1450/Cal/80. Aimants Ugimag S. A. A process and a device for the multipolar magnetization of a material in strips.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110 005

The 2nd December, 80

- 861/Del/80. Sim-Chem Limited. "A process for the continuous production of fermentation alcohol". (December 13, 1979).
- 862/Del/80. Automotive Products Limited. "Clutch Release Bearing Assemblies" (December 22nd, 1979).
- 863/Del/80. Aktiebolaget Bofors. "Device for stripper".
- 864/Del/80. Aktiebolaget Bofors. "Device for breech ring".
- 865/Del/80. Aktiebolaget Bofors. "Device for speed control of cylinder piston, particularly useful for a fire-arm".

The 3rd December 1980

- 866/Del/80 Magvar Aluminiumpari Troszt. "Plant operations for clearing the boiler tubes of digesting heat exchangers used in alum earth processing by bayer technology".
- 867/Del/80 Pneumatiques Caoutchouc manufacture et plastiques kleber colombes. "Flexible conveyor belt".
- 868/Del/80 Compagnie française D'etudes et de construction "Technip". "Improvements in or relating to

method of and system for refrigerating a fluid to be cooled down to a low temperature".

The 4th December 1980

- 869/Del/80. Sudhanshu Goel, "Free after fastening nut".
- 870/Del/80. Ici pharma, "Cephalosporing derivatives".

The 5th Dccember 1980

- 871/Del/80. Necchi societa per azioni, "Starter and thermal protector for refrigerator motor-compressor units".
- 872/Del/80. Necchi societa per azioni, "Motor-compressor unit for refrigerators".

The 6th December 1980

- 873/Del/80. Sultan Singh Jain, "Sultan Motor".
- 874/Del/80. S. Aftab Ahmed, "Chair Nails".

The 8th December 1980

- 875/Del/80. Maj B. Chaman (Retd.), "Computerised match making".
- 876/Del/80. Bimal Mehra, "A process for the manufacture of a bicentric lens" [Divl. Date Sept. 11, 1978].
- 877/Del/80. Compagnie Francaise D'Etudes Et De construction "Technip". "Improvements in or relating to a method of and system for liquefying a gas with low boiling temperature".
- 878/Del/80. Flexitallic gaskets limited, "Improvements in and relating to gaskets". (December 15, 1979).
- 879/Del/80. Torsiflex limited, "Flexible couplings". (December 18, 1979).
- 880/Del/80 Council of Scientific and Industrial Research, "A process for making duplicating ink with rice bran oil".

The 9th December 1980

- 881/Del/80. Klockner-Humboldt-Deutz Aktiengesellschaft, "A wet jigging machine for separating minerals".
- 882/Del/80. Aktiebolaget Bofors, "Tooth for ramming unit".
- 883/Del/80. Aktiebolaget Bofors, "Loading pendulum".
- 884/Del/80. Aktiebolaget Bofors, "Device for guiding a rammer head in its transversal direction".
- 885/Del/80. Arthur E. Cadonau. "Racket string for tennis and related games".

The 10th December 1980

- 886/Del/89 Union carbide corporation. "Method for preventing slopping during subsurface pneumatic refining of steel".

The 11th December 1980

- 887/Del/80 National Research Development Corporation, "Improvements in or relating to the valve timing mechanisms of internal combustion engines". (January 2nd, 1980).

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600002

The 23rd December 1980

- 231/Mas/80 S. Vaidyanathan. Automatic liquid level controller.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month ap-

plied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 195E. 148360.
Int. Cl.-F16k 17/00.

A PRESSURE RELEASE DEVICE FOR A LIGHT-WEIGHT COMPOSITE FIBER WOUND PRESSURE VESSEL.

Applicant: BRUNSWICK CORPORATION, OF ONE BRUNSWICK PLAZA SKOKIE, KLLINOIS 60076, UNITED STATES OF AMERICA.

Inventor : RUSSELL OIS ON HAWKINS AND JAMES FRANCIS MALLATT.

Application No. 1728/Cal/77 filed May 16, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

In a pressure release device for a lightweight composite fiber wound pressure vessel having a metal element thereon, a thermal release means mounted in said metal element with a portion of said means facing the interior of the vessel, said means having a channel extending from the portion of said means facing the interior of the vessel and communicating with the atmosphere outside the vessel, a heat softening material bonded in said channel of said means, and material having a melting temperature below the degradation temperature of the pressure vessel and above the maximum ambient operating temperature of the pressure vessel.

Comp. Specn. 15 Pages. Drg. 1 Sheet.

CLASS 129F. 148361.
Int. Cl.-B28d 1/22.

AUTOMATIC CONTROL APPARATUS FOR A DIAMOND SAWING MACHINE.

Applicant & Inventor: IWAN DOMKEN, OF RUE FRAIS-CHAMP 145, 4030 GRIVEGNEE, BELGIUM.

Application No. 819/Cal/77 filed May 31, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An automatic control apparatus for a diamond sawing machine comprising a diamond-carrying arm mounted on a pivot and a cutting disc, characterized in that it comprises: (a) a device for supporting the diamond-carrying arm, (b) a drive responding to control signals in order to advance the support device at a predetermined speed causing the arm to pivot in a regular manner towards the cutting disc, (c) a signal generator arranged so as to generate a plurality of distinct control signals for the drive, (d) means of detecting the depth reached by the cutting disc in the diamond, the said means being arranged so as to generate signals representing different predetermined depths; and (e) a selector arranged so as to select any one of the control signals depending on which of

the signals is generated by the depth detecting means and apply the selected control signal to the drive.

Comp. Specn. 14 Pages. Drg. 4 Sheets.

CLASS 53C. 148362.
Int. Cl.-B62m 7/02. B62k 19/30, 23/02.

CYCLES.

Applicant: LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM, B19 2XF, ENGLAND.

Inventors: CHARLES PATRICK DUNCAN DAVIDSON AND EDWARD GRAHAM PHILLIPS.

Application No. 844/Cal/77 filed June 6, 1977.

Convention date June 11, 1976/(24244/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An electrically assisted cycle including a frame rotatably supporting a ground engaging wheel, rider operable drive means rotatably mounted on the frame and coupled to said wheel whereby the rider can rotate the said drive means to propel the cycle, an electric motor and an associated power source carried by said frame, the output of said electric motor being coupled to said wheel whereby said motor can assist propulsion of the cycle, electrical switch means operable to permit energisation of said motor and sensing means sensing the speed of rotation of said rider operable drive means or of a component which moves with, said sensing means causing operation of said switch means only when the speed of rotation of said drive means exceeds a predetermined speed whereby in order to obtain electrical assistance in propelling the cycle the rider must rotate said drive means at a speed in excess of said predetermined speed.

Comp. Specn. 13 Pages. Drg. 4 Sheets.

CLASS 194C.a. 148363.
Int. Cl.-H01 j 9/00.

CLOSING CONSTRUCTION FOR HIGH-PRESSURE SODIUM-STEAM ELECTRIC DISCHARGE TUBE.

Applicant: EGYESULT IZZOLAMPA ES VILLIAM OSS-AGI RES ZVENYTARS AS AG. OF VACI U. 77, 1340 BUDAPEST, HUNGARY.

Inventor: DR. BEIA KERESKES.

Application No. 1209/Cal/77 filed August 4, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Closing construction for high-pressure sodium-steam electric discharge tube having a tubular discharged bulb made of light transparent ceramic, particularly of aluminium-oxide and closed on both ends by ceramic elements, characterised in that both ends of the ceramic bulb are closed by a unit comprising two ceramic parts, being placed symmetrical to the axis of the tube, between the corresponding surfaces of the closing units as well as of the end of the bulb clearances are arranged and the clearances communicating with each other form a capillary system.

Comp. Specn. 10 Pages. Drg. 2 Sheets.

CLASS 98-I. 148364.
Int. Cl.-F24j 3/02.

SOLAR COLLECTOR.

Applicant: BBC BROWN, BOVERI & COMPANY LIMITED, OF BADEN, SWITZERLAND.

Inventor : JOHN ANGUS YOUNGS.

Application No. 1334/Cal/77 filed August 26, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A solar collector consisting of liquid-containing elements and a reflector, in which the reflector is approximately semi-cylindrical in shape and is collapsible by means of overlapping plates and the liquid containing elements comprise a collector pipe enclosed by a protective tube and having attached to it radial elements in the longitudinal direction, and the liquid-containing elements are arranged to rotate axially.

Comp. Specn. 8 Pages.

Drg. 1 Sheet.

CLAAS 56D.

148365.

Int. Cl.-C1 3g 1/00.

IMPROVEMENTS IN OR RELATING TO VACUUM PAN BOILER FOR CONCENTRATING SUGAR SYRUP.

Applicant & Inventor: CHEMMARAPPALLY JOHN ABRAHAM, NAGALAND SUGAR MILLS & DISTILLERY PROJECT, DIMAPUR, ASSAM, INDIA.

Application No. 1537/Cal/77 filed October 25, 1977.

Complete Specification left October 20, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Improvements in or relating to vacuum pan boiler comprising of a vaporiser, a classifier disposed below the said vaporiser and a crystal catcher in association with the classifier characterising that the vaporiser, the classifier and the crystal catcher are all co-axially disposed one below the other in the said order in operational arrangement and wherein the vaporiser has a down-commer extending substantially into the classifier, the vaporiser having vacuum means and the crystal catcher having means inoperational manner for separating the crystals from molasses.

Prov. Specn. 8 Pages. Comp. Specn. 14 Pages. Drg. 2 Sheets.

CLASS 129E.

148366.

Int. Cl.-B21 j 13/12.

APPARATUS FOR TURNING FORGINGS WITH A POWER-OPERATED ENDLESS TURNING CHAIN.

Applicant: MASCHINENFABRIK AUGSBURG-NURNBERG AKTIENGESELLSCHAFT, OF KATZWANGLER STR. 101, D 8500 NURNBERG, WEST GERMANY.

Inventor: WERNER BESOLD.

Application No. 1591/Cal/77 filed November 8, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Apparatus for turning forgings under a forging hammer or a forging press with an endless turning chain taken around the forging at the bottom and over a chain wheel (sprocket unit) at the top, driven by a motor through a gearing, the drive gear or each drive gear mounted on the hub of the sprocket having a relatively large diameter, characterized in that—where one drive gear is provided at one side the chain wheel (sprocket unit 3) is capable of being driven via a driver from the drive gear or—where two drive gears are provided at both sides of the turning chain the drive gears (spur gears 14) are each capable of being driven by a driver (12) and in that one or more preload flexible elements (28) are interposed between the driver or each driver (12) and the drive gear or drive gears (14).

Comp. Specn. 11 Pages.

Drg. 3 Sheets.

CLASS 190B

148367

Int. Cl.-F02c 7/00.

COMBUSTION APPARATUS FOR A GAS TURBINE ENGINE.

Applicant: WESTINGHOUSE ELECTRIC CORPORATION, WESTINGHOUSE BUILDING, GATEWAY

CENER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor: JOHN M. G. EMORY.

Application No. 1662/Cal/77 filed November 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Combustion apparatus for gas turbine engine having a housing enclosing a generally open-ended combustion chamber supported therein for admitting pressurized air from within said housing to the upstream open end of said combustion chamber for supporting primary combustion therein, said apparatus comprising: a fuel nozzle centrally mounted in said housing for discharging fuel into said combustion chamber adjacent said upstream open end thereof; a collar encircling said fuel nozzle generally adjacent the discharge end thereof in a spaced relationship providing an annular space therebetween, said collar defining a plurality of individual radially directed passages, characterized by a plurality of first passages (38a) extending axially from said radial passages (38) of said collar (34) and being angularly disposed with respect to the axis thereof for directing a swirling axial flow of air from within said housing into said combustion chamber, and swirl means (46) just downstream of the discharge of said first passages defining a plurality of tangentially directed air passages for directing a swirling radial air-flow in the same rotational direction as said swirling axial flow from within said housing into said combustion chamber so as to provide confined mixing of said air flows with fuel introduced by said nozzle (12) in a generally helical swirl at the inlet to said chamber.

Comp. Specn. 13 Pages.

Drg. 1 Sheet.

CLASS 94-I. & 182A.

148368.

Int. Cl.-C1 3d 1/06.

AN APPARATUS FOR SEPARATING THE PITH AND RIND COMPONENTS OF SUGARCANE STALK.

Applicant: INTERCANE SYSTEMS, INC., OF 2679 HOWARD AVENUE, WINDSOR, ONTARIO N8X 3X2, CANADA.

Inventor: BRANKO VUKELIC.

Application No. 1674 Cal/77 filed December 1, 1977.

Convention date December 10, 1976/(267, 626). CANADA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An apparatus for separating pith and rind component of sugarcane stalk comprising:

- a power driven rind gripping roll;
- a power driven pith milling roll positioned in close parallel spaced relation to the rind gripping roll;
- aid rolls having surface indentations and being adapted to be driven at such rotational speeds as to accept incoming longitudinally split sugarcane stalk halves, fatten them, and mill out the pith away from the rind;
- a pith deflecting plate having surface for causing the rind and the separated pith to travel further on separate paths; and
- a rotating deflector in the form of an elongated cylindrical roller of relatively small diameter positioned adjacent the leading edge of the said plate and closely in the output side of the pinch between the said rolls and adapted to be driven at a rotational speed in relation to the said rolls such as to move any fibrous material that might otherwise collect and cause clogging and binding out of the confined region between the rolls and the deflecting plate and pass to the output.

Comp. Specn. 10 Pages.

Drg. 4 Sheets.

CLASS 31A.

148369.

Int. Cl.-H01g 5/00.

VARIABLE CAPACITOR.

Applicant: N. V. PHILIPS' GLOEILAMPENFABRIKEN, AT EMMASINGEL, EINDHOVEN, NETHERLANDS.

Inventors: ADRIANUS JOHANNES WAGEMAKERS, JOHAN CORNELIS JOZEF ANTONIUS ROOZEN AND JOZEPHUS JOANNES MARIA SMIT.

Application No. 1682/Cal/77 filed December 3, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A variable capacitor, comprising a stator and a rotor which are clamped and arranged, respectively, between an upper plate of a synthetic material suitable for ultrasonic welding and a lower plate of synthetic material suitable for ultrasonic welding, the upper plate and the lower plate being maintained at a distance from each other by spacer columns which are coaxially situated relative to each other and which extend transversely of the place of the plates said spacer columns being formed to be integral with the relevant plates, at least two of the spacer columns having an at least partly tubular construction for connection of the upper plate to the lower plate, characterized in that a spacer column of one of the plates is inserted with clearance into the tubular part of one of the spacer columns connected to the other plate, an ultrasonic welded joint being present between the inner surface of the tubular column and the outer surface of the other column inserted therein, said joint being situated at such a distance from the end face of the tubular column that part of the tubular columns is subject to a compression force, whilst a part of the other columns projecting into the tubular columns is subjected to a tensile force.

Comp. Specn. 11 Pages.

Drg. 3 Sheets.

CLASS 206D.

148370.

Int. Cl.-H0 3k 3/00.

DIGITAL SWEPT FREQUENCY WAVEFORM GENERATOR.

Applicant: SEIMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, FEDERAL REPUBLIC OF GERMANY.

Inventor: GUNTER WESS.

Application No. 1690/Cal/77 filed December 5, 1977.

Convention date October 20, 1977/(43648/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

8 Claims.

A digital swept frequency waveform generator comprising a variable frequency oscillator, a counter arranged to count pulses from the oscillator and provide a digital output corresponding to the number of pulses counted, a memory store in which the ordinates of the desired waveform may be stored and which is arranged to provide at an output thereof the contents of storage addresses selected according to the counter output, whereby a plurality of stored values appear in sequence at said output and means for changing the frequency of the oscillator as a linear function of the counter output, whereby the oscillator frequency is an exponential function of time.

Comp. Specn. 8 Pages.

Drg. 1 Sheet.

CLASS 5A & D.

148371

Int. Cl.-A01c 3/00.

BEATING DEVICE FOR DRUM TYPE TURNING AND AERATING MACHINES FOR COMPOSTING.

Applicant & Inventor: DR. TARAPADA MUKHERJEE, 2 FERN PLACE, CALCUTTA-19, WEST BENGAL, INDIA.

Application No. 40/Cal/78 filed January 11, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Beating device for drum type turning and aerating machine for composting comprising one or more high speed rotating beating drums housed in a chamber and rotated by means of a motor, the beating chamber and rotated by means of a motor, the beating chamber provided with a discharge opening, each said beating drum having a number of short fins fixed on the surface of the drums across its full width, the beating chamber arranged below the discharge end of the transversely placed elevator conveyor of the said turning and aerating machine, to break the lumps of composting materials falling on the said drums and to discharge the broken mass through the discharge opening to form a stack.

Comp. Specn. 5 Pages.

Drg. 2 Sheets.

CLASS 80F.

148372.

Int. Cl.-B01d 33/02.

METHOD OF REGENERATING PEELING CENTRIFUGE AND APPARATUS THEREFOR.

Applicant: ESCHER WYSS LIMITED, OF HARDSTRASSE 319, 8023 ZURICH (SWITZERLAND).

Inventor: LEONHARD SPIEWOK.

Application No. 182/Cal/78 filed February 17, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

Method of regenerating the filter bed of a peeling centrifuge which comprises a rotatable centrifuging drum containing the filter bed and also a stationary filtrate collecting chamber surrounding the centrifuging drum, characterised in that the outlet of the filtrate collecting chamber is closed or throttled until the liquid of the filtrate collecting chamber reaches at least a portion of the filter bed, with the centrifuging drum rotating, and wherein the collecting chamber is provided with an inlet for the introduction of liquid and a device for limiting the height of the liquid.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS 50A & D.

148373.

Int. Cl.-A47j 41/02.

VACUUM FLASK.

Applicant & Inventor: MARIO POSNANSKY, OF MELCHENBUHLWEG 18, 3006 BERN, CANTON OF BERN, SWITZERLAND AND URS UTIGER, OF SANDACKERWEG 8, 3363 OBERONZ, CANTON OF BERN, SWITZERLAND.

Application No. 183/Cal/78 filed February 17, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A vacuum flask comprising a vessel having an inner wall and an outer wall together bounding a space exhausted of air, and a protective jacket capable of enclosing said vessel, wherein a layer of a substance having a coefficient of absorption of at least 0.8 for short-wave solar radiation is disposed on the side of said inner wall facing said space, said jacket being at least partially permeable to light-rays and at least said outer wall being permeable to light-rays.

Comp. Specn. 11 Pages.

Drg. 2 Sheets.

CLASS 186F.

148374.

Int. Cl.-H041 19/00.

IMPROVEMENTS IN OR RELATING TO WHEELS FOR THE STEP-BY-STEP FEED OF A DATA CARRIER.

Applicant: SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, FEDERAL REPUBLIC OF GERMANY.

Inventor: GUNTHER VORBACH.

9 Claims.

Application No. 271/Cal/78 filed March 14, 1978.

Convention date June 14, 1977/(24673/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A wheel arrangement for the step-by-step feed of a tape-like data carrier the wheel comprising: a feed wheel of thermosetting resin material and provided with external, radially extending pins and a central collar portion; and a ratchet indexing wheel coaxial with said feed wheel and of thermo-plastic resin material, the indexing wheel having been injection moulded about said collar portion.

Comp. Specn. 7 Pages.

Drq. 1 Sheet

CLASS 50b.

148375.

Int. Cl.-F 25b 5/00.

VARIABLE CAPACITY MULTIPLE COMPRESSOR REFRIGERATION SYSTEM.

Applicant: WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA..

Inventors: THOMAS FRANCIS CONLEY, ERNEST FRIDDERICK GYLLAND, JR. AND GEORGE EDWARD STEELE.

Application No. 361 Cal/78 filed April 4, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A variable-capacity multiple-compressor refrigeration system including a first hermetic-shell compressor which runs continuously while the system is in operation, and which includes unloading means for operating the first compressor at half load, and a second hermetic-shell compressor which operates either at full load or not at all, each compressor having a suction-gas inlet port formed in an upper shell portion thereof and connected to the suction-gas return line of the system, characterized in that the suction-gas inlet port of each compressor is connected directly to said suction-gas return line through a separate suction conduit, and the suction-gas inlet ports of the two compressors are identical as to size and as to their each compressor has a gas exchange-line port formed in an upper shell portion thereof, the gas exchange-line ports of the two compressors being identical as to size and as to their location on the respective compressor shells, and being in fluid-flow communication with each other through a gas exchange line extending therebetween so to enable suction gas to pass from the shell of the first compressor to the second compressor, and thereby promote cooling of the first compressor, when the second compressor is running and the first compressor is running in an unloaded condition.

Comp. Specn. 12 Pages.

Drq. 1 Sheet.

148376.

CLASS 32F₂b & 55E₄.

Int. Cl.-C07d 101/00, A61k 27/00.

PROCESS FOR THE PRODUCTION OF 17A-METHYL-3β-PYRROLIDINO-17A-AZA-D-HOMO-5α-ANDROSTANE DIMETHIODIDE (DIHYDROCHAND ONIUM IODIDE).

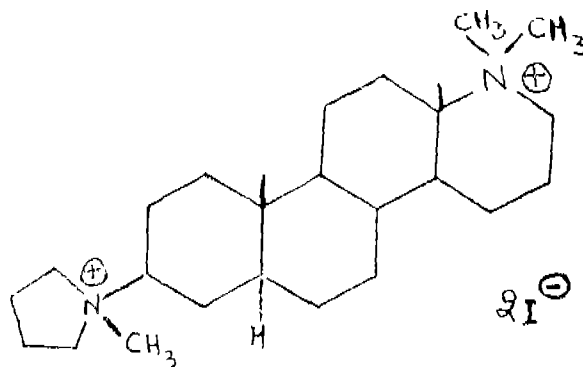
Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

Inventors: HARKISHAN SINGH, TILAK RAJ BHARDWAJ AND DHARAM PAUL.

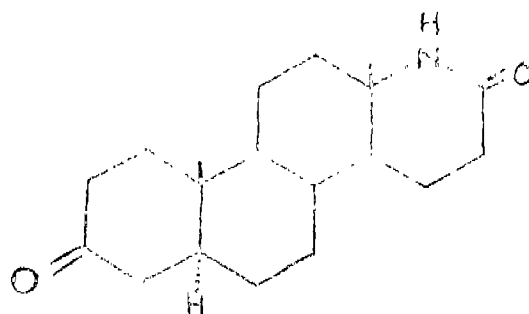
Application No. 193/Del/77 filed August 12, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

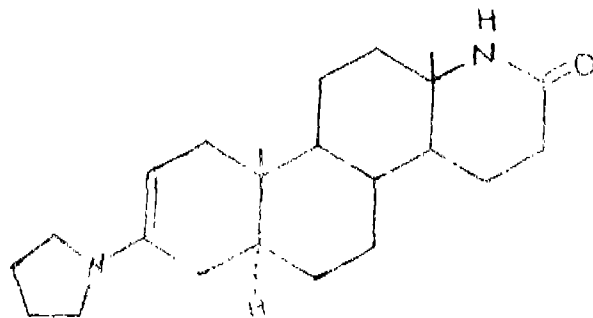
Process for the production of 17a-methyl-3β-pyrrolidino-17a-aza-D-homo-5α-androstane dimethiodide (Dihydrochand-onium Iodide) of formula (6)



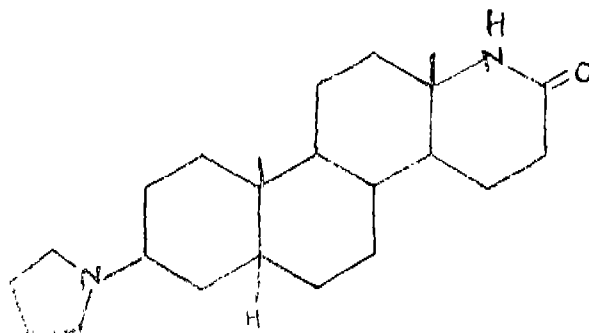
comprising the steps of (i) oxidising 3β-hydroxy-17a-aza-D-homo-5-androstane-17-one to obtain 17a-aza-D-homo-5α-androstane-3, 17-dione of formula (1).



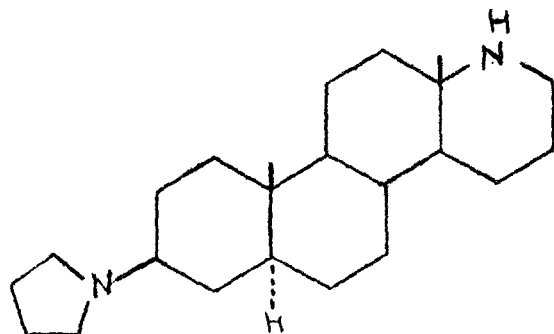
(ii) reacting the compound of formula (1) thus obtained with pyrrolidino to obtain 3-pyrrolidino-17a-aza-D-homo-5 α-androst-2-3n-17-one of formula (2).



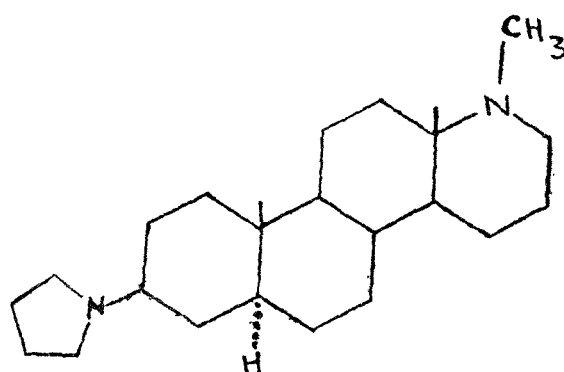
(iii) reducing the compound of formula (2) to obtain 3β pyrrolidino-17a-aza-D-homo-5α-androstane-17-one of formula (3).



(iv) further reducing the reaction product of formula (3) to obtain 3 β -pyrrolidino-17a-D-homo-5 α -androstane of formula (4)



(v) methylation of the reaction product of formula (4) to obtain 17a-methyl-3 β -pyrrolidino-17a-aza-D-homo-5 α -androstane of formula (5).



and (vi) quaternisation of the reaction product of formula (5) to obtain the final product, 17a-methyl-3 β -pyrrolidino-17a-aza-D-homo-5 α -androstane dimethiodide (Dihydrochandonium Iodide) of formula (6).

Comp. Specn. 6 Pages.

Drg. 1 Sheet.

CLASS 32F₁ & F₂b & 55E₄.

148377.

Int. Cl.-C07d 101/00, A61k 25/00.

PROCESS FOR THE PRODUCTION OF 17A-METHYL-3 β -PYRROLIDINO-17A-AZA-D-HOMOANDROST-5-ENE DIMETHIODIDE (CHANDONIUM IODIDE).

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

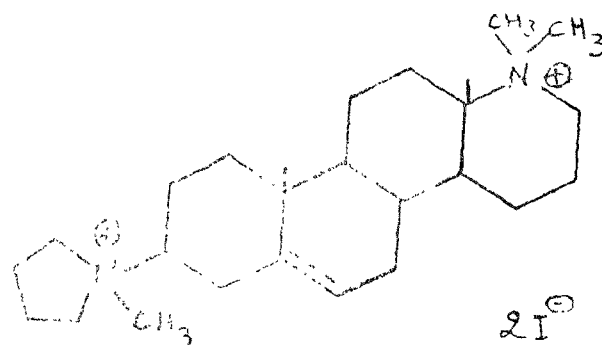
Inventors : HARKISHAN SINGH AND DHARAM PAUL.

Application No. 194/Del/77 filed August 12, 1977.

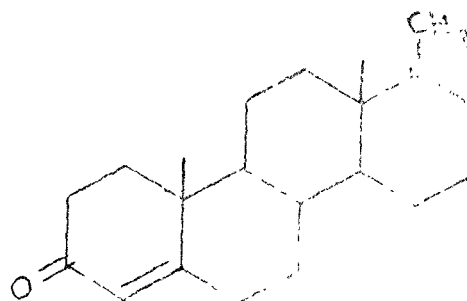
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims.

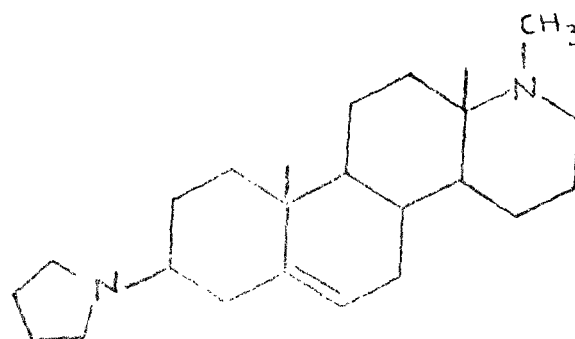
Process for the production of 17a-methyl-3 β -pyrrolidino-17a-aza-D-homoandrost-5-ene dimethiodide (Chandonium Iodide) of the figure 4.



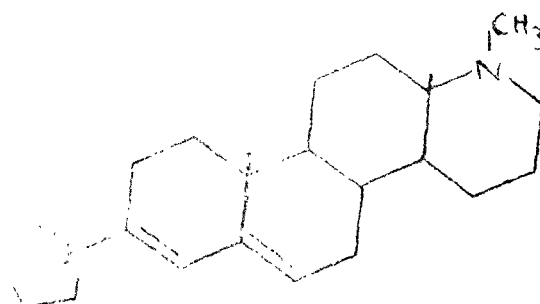
comprising (i) reacting pyrrolidine with 17a-methyl-17a-za-D-homoandrost-4-en-3-one of figure 1.



to obtain 17a-methyl-3-pyrrolidino-17a-aza-D-homoandrost-3,5-diene of figure 2.



(ii) subjecting the same compound to reduction to obtain 17a-methyl-3 β -pyrrolidino-17a-aza-D-homoandrost-5-ene of figure 3.



and (iii) quaternising the reaction product with methyl iodide to obtain the desired compound of figure 4.

Comp. Specn. 4 Pages.

Drg. 1 Sheet.

CLASS 89.

148378

2 Claims.

Int. Cl.-G01n 11/00.

AN IMPROVED CAPILLARY VISCOMETER FOR MEASURING VISCOSITY OF A FLUID.

Applicant: KULDEEP VERMA, PUNJAB AGRICULTURAL UNIVERSITY, LUDHIANA, PUNJAB, INDIA, AND VEENA VERMA, MOHAN LAI SHAIDA, KULTAR CHAND VERMA, SUMEET VERMA (MINOR), BHAVNA VERMA (MINOR) OF I-90, KIRTI NAGAR, DFI HI, INDIA.

Inventors: KULDEEP VERMA.

Application No. 82/Del/78 filed January 30, 1978.

Complete Specification left April 30, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

10 Claims.

An improved capillary viscometer for measuring viscosity of a fluid comprising, a capillary tube, a fluid reservoir having an inlet and being provided towards the lower end of the capillary tube, fluid collector provided around the upper end of the capillary tube, fluid driving constant force creating means provided in or around the fluid collector, a capillary stopper of the same bore diameter as the capillary tube and being provided in the fluid reservoir inlet and means for recording the rate of flow of the fluid in the capillary tube.

Prov. Specn. 4 Pages. Comp. Specn. 10 Pages. Drg. 3 Sheets.

CLASS 98G.

148379.

Int. Cl.-C09k 3/02.

COLLECTOR PANEL FOR SOLAR ENERGY.

Applicant: DORNIER-SYSTEM GMBH., 799 FRIEDRICHSHAFEN 1, POSTFACH 648, WEST GERMANY.

Inventors: WERNER SCHERBER AND GUNTHER DIETRICH

Application No. 161/Del/78 filed February 28, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

11 Claims.

A solar collector panel capable of absorbing incident solar radiation comprising:

- (a) a substract of electricity conductive material and
- (b) a multiplicity of projections substantially completely covering a face of said substrate and extending away from said face to respective peaks thereof.
- (1) the average peak-to-peak spacing of said projections in a direction parallel to said face being between 0.1 to 1 Mm.
- (2) the surfaces of said projections consisting essentially of metal.

Comp. Specn. 12 Pages.

Drg. 8 Sheets.

CLASS 5D & 134A.

148380.

Int. Cl.-B62d 65/00.

AN AGRICULTURAL VEHICLE.

Applicant: SOCIÉTÉ DES ÉTABLISSEMENTS BOUYER, OF BOITE POSTALE 23-54 510 TOMBLAINE FRANCE.

Inventors: JEAN FELIX BOUYER

Application No. 287/Del/78 filed April 18, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

A vehicle for agricultural use mainly for transporting and towing as well as for working soils, comprising a frame formed by structural section including longitudinal members, characterized in that the frame has a front transverse member arranged in a raised position well above the ground, supported by front wheel pins or hubs and for carrying a fixed front support platform formed by a structural section frame delimiting a planar bottom and having attachments, the vehicle comprising a transmission assembly performing the function of a carrying frame with a towing coupling arrangement the said frame comprising on one of its sides in its central position a support for an independent and interchangeable engine operatively connected to the said transmission assembly and on its other side a driving position and its various controls, said transmission assembly comprising a main body formed by two half casings containing a gearbox, a central differential and its ring-blocking device, the differential forming the bridge and extending towards the wheels by way of transmission shafts, the bellows of which are externally connected therebetween by a support and lead to reducing gears, the transmission assembly comprising in its upper part a primary shaft forming a power take-off at one of its ends and being rigid with a conical friction coupling pulley at its other end, said coupling arrangement having a central jack and fixed to said transmission assembly said coupling arrangement comprising a first arm articulated to the upper part of the frame, two lower arms pivotally mounted on the reduction assemblies of the wheels, carried by a member the upper element of which is connected to the control rod of the jack.

Comp. Specn. 9 Pages.

Drg. 4 Sheets.

CLASS 70C.

148381.

Int. Cl.-C23b 5/30, C22d 1/24.

METHOD FOR ELECTROLYTIC DEPOSITION OF MANGANESE.

Applicant: UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors: JOHN BURNHAM GODDARD, DONALD JOSEPH HANSEN.

Application No. 245/Del/78 filed April 3, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims.

In a method for electrodepositing manganese metal from an electrolyte containing manganese by using conventional electrodes, the improvement which comprises introducing into the electrolyte a selenium compound in an amount sufficient to provide from about 0.002 to 0.02 gram per liter of selenium and a polyacrylamide polyelectrolyte in an amount sufficient to provide about 0.1 to 2 mg per liter and effecting deposition of manganese metal in the presence of sulfur dioxide in an amount of from about 0.1 to 1 gram per liter.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

OPPOSITION PROCEEDINGS

An opposition has been entered by Research Designs and Standards Organisation, Ministry of Railways, Lucknow to the grant of a patent on application No. 147179 made by Pandrol Limited.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

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PATENTS SEALED

146037 146462 146525 146530 146544 146757 146878 146882
 146885 147175 147177 147180 147184 147197 147209 147211
 147268 147347 147365 147375 147388 147389

COMMERCIAL WORKING OF PATENTED INVENTION

[CHEMICAL

LIST NO. IV/]

The following Patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statement filed by them under Section 146(2) of Patent Act, 1970, in respect of Calendar year, 1979, generally on account of want of request for licences to work the Patented inventions.

Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

S. No.	Patent No.	Date of Patent	Name and address of Patentees	Title of Invention
1	2	3	4	5
1.	133448	3-11-1971	Hindustan Lever Limited, Hindustan Lever House, 165/166, Backbay Reclamation, Bombay-400 020.	Tooth paste composition.
2.	133449	3-11-1971	Do. Do.	Colourant compositions for kiratinous fibres.
3.	133483	4-11-1971	Deere & Company, Moline, Illinois, U.S.A.	Electroless nickel plating or articles and particularly patterns and core boxes in moulding and core forming equipment.
4.	133530	8-11-1971	Kennecott Copper Corporation, 161, East 42nd Street, New York, New York 10017, U.S.A.	Extracting metal values from complex ores.
5.	133549	9-11-1971	The Dow Chemical Company, Midland, Country & Midland, State of Michigan, U.S.A.	Regeneration of copper oxide and copper chromite catalysts.
6.	133566	10-11-1971	Texaco Development Corporation, 135, East 42nd Street, New York, U.S.A.	Solvent dewaxing process.
7.	133599	12-11-1971	Spolana Narodni Podnik, Neratovico, Czechoslovakia.	Continuously preparing perchloromethyl mercaptan.
8.	133625	15-11-1971	Haldor Frederik Axel Topsoe, Frydenlundsvej, Vedback, Denmark.	Manufacture of ethyl alcohol.
9.	133660	17-11-1971	UBE Industries Limited, 12-32, 1-Chome, Nishihommachi, Ukeshi Yamaguchi-Ken, Japan.	Oxidation of catalyst.
10.	133677	19-11-1971	Hoechst AG, 45, Bruningstrasse, Frankfurt/main FRG.	Water-soluble monoazo dyestuffs.
11.	133710	23-11-1971	Do. Do.	Copper-complex monoazo dyestuffs.
12.	133711	23-11-1971	The Lubrizol Corporation, Cleveland, Ohio, U.S.A.	Floculating solids suspended in aqueous medium.
13.	133734	25-11-1970	Ciba-Geigy AG, Basle, Switzerland.	Treatment of water systems for preventive scale formation.
14.	133738	25-11-1971	Hoechst AG, 45, Bruningstrasse, Frankfurt/Main, FRG.	Water-soluble disazo dyestuff.
15.	133766	26-11-1971	(i) Metallgesellschaft AG, 6, Frankfurt am Main Reuterweg 14, West Germany. (ii) Veba-Chemie AG, 4660 Gelsenkirchen-Buer, Dorstenerstrasse 227, West Germany.	Recovering pure maleic anhydride.
16.	133767	27-1-1973	Do. Do.	Do. Do.
17.	133782	29-11-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Manufacture of synthetic fibres.

1	2	3	4	5
18.	133819	1-12-1971	Hoechst AG, 45, Bruning Strasse, Frankfurt/Main FRG.	Water-soluble metal complex monoazo dyestuffs.
19.	133821	1-12-1971	ETHICON INC., Somerville, New Jersey, U.S.A.	Obtaining a sterile absorbable surgical suture.
20.	133840	3-12-1971	Hoechst AG, 45, Bruningstrasse, Frankfurt/Main, FRG.	Water-soluble monoazo dyestuff.
21.	133845	4-12-1971	INDUSTRIE PIRELLI SOCIETE, PERAZIONI, Centre Pirelli, Piazza Duca D'Aosta No. 3, Milan 20110, Italy.	Radial cord carcass tyre beads.
22.	133852	6-12-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel Van Bylandtlaan, 30, The Hague, The Netherlands.	Preparation of an olefin polymer.
23.	133928	13-12-1971	SHOWA DENKO K. K., No. 34, Shiba Niyamoto-cho, Minato-ku, Tokyo, Japan.	Sintered agglomerate.
24.	133956	15-12-1971	SNAMPROGETTI S. P. A., 16, Corso Venezia, Italy.	Recovering aromatic hydrocarbons from mixtures containing the same.
25.	133969	16-2-1972	Do. Do.	Recovery of isoprene from mixtures.
26.	133973	16-12-1971	SIEMENS AG, Berlin & Munich, West Germany.	Making magnetic material laminations.
27.	133974	16-12-1971	FIBRE GLASS LIMITED, 211-212, Martins Building, Water Street, Liver Pool 123 SR, Lancaster, England.	Bonded product from glass fibres.
28.	133975	16-12-1971	Do. Do.	Bonded glass fibres.
29.	133997	18-12-1971	MITSUI PETROCHEMICAL INDUSTRIES LIMITED, 2-5, 3-Chome, Kasumigaseki, Chiyada-ku, Tokyo, Japan.	Producing terephthalic acid.
30.	134016	20-12-1971	ČESKOSLOVENSKÁ AKADEMIE VED, Praha Czechoslovakia.	Thin walled plastic or rubber articles.
31.	134023	21-12-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ, B.V., Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Recovering ethylene oxide.
32.	134024	21-12-1971	USS ENGINEERS AND CONSULTANTS INC., 600 Grant Street, Pittsburgh, State of Pennsylvania, U.S.A.	Making rim-stabilised steel ingots.
33.	134056	24-12-1971	KIMBERLEY-CLARK CORPORATION, Neenah, Wisconsin, U.S.A.	Coated electrical insulating paper.
34.	134099	28-12-1971	UOP INC., Ten UOP Plaza-Algonquin & Mt. Prospect Roads, Illinois, U.S.A.	Hydrocarbon separation process.
35.	134107	28-12-1971	HOECHST AG, 45, Bruningstrasse, Frankfurt/Main FRG.	Water soluble fibre-reactive azo dyestuffs.
36.	134135	30-12-1971	SNAMPROGETTI S.P.A., 16, Corso Venezia, Milan, Italy.	Separation of conjugated diolefins from Mixtures.
37.	134147	31-12-1971	SINLOITHI COMPANY, No. 38, Nishinoshimono-cho, Konohana, Osaka-shi, Japan.	Preparation of coloured resin particles.
38.	134151	31-12-1971	HOECHST AG, 45, Bruningstrasse, Frankfurt/Main FRG.	Basic oxazine dyestuffs.
39.	134152	31-12-1971	Do. Do.	Water-soluble reactive monoazo dyestuffs.
40.	134184	4-1-1972	KAUTEX WERKE REINOLD HAGEN-GMBH, 5300 Bonn Holzler 1, West Germany.	Producing tubular bodies of thermoplastic synthetic resin material.
41.	134186	27-1-1973	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, III Floor, CSIR Complex, NP2 Campus Library Road, Pusa, New Delhi-110012.	Electroless copper plating bath control over acrylonitrile butadiene styrene.
42.	134187	5-1-1972	UNION CARBIDE CORPORATION, 270, Park Avenue, New York, State of New York, U.S.A.	Recovering nitrogen oxides from gas mixtures by adsorption.
43.	134189	5-1-1972	UOP INC. Ten UOP Plaza—Algonquin & Mt. Prospect Roads, Illinois, U.S.A.	Preparing hydrodesulfurization catalyst.

1	2	3	4	5
44.	134208	6-1-1972	FARBWERKE HOECHST AKTIENGESELLSCHAFT, 45, Bruningstrasse, Frankfurt/Main FRG.	Shaped articles of thermoplastic moulding composition on the basis of polyoxymethylenes.
45.	134247	11-1-1972	(i) UCB S. A., 4, Chaussee de charleroi, Saint-Gilleslez-Bruxelles, Belgium. (ii) MIKHAIL GAVRILOVITCH SLINKO, Akademgorodok, Novosibirsk-72, Siberia, U.S.S.R.	Process for carrying out fluid-bed ammoxidation reactions.
46.	134250	11-1-1972	ICI AUSTRALIA LIMITED, 1, Nicholson Street, Melbourne, Victoria, Australia.	Slurry explosive composition.
47.	134288	28-2-1972	ETHICON INC., Somerville, New Jersey, U.S.A.	Retention suture bridge.
48.	134295	17-1-1972	MOWSON-ALGRAPHY LIMITED, Vickers House, Millbank Tower, Millbank, London SW1 England.	Removing a layer of light-sensitized polyvinyl alcohol containing material which has been solubilised from a surface.
49.	134299	17-1-1972	KNAPSACK AKTIENGESELLSCHAFT, Knapsack Near Kola, FRG.	Production of Acrylonitrile and methacrylonitrile.
50.	134321	19-1-1972	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165/166, Backbay Reclamation, Bombay 400 020.	Chemical process involving sulphonation or sulphation.
51.	134326	19-1-1972	PREROVSKE STROJIRNY NP, Prerov, Czechoslovakia.	Producing burnt lime and burnt dolomite of fine granular or pulverous material.
52.	134327	19-1-1972	Do. Do.	Production of clinker from a slurry of pulverous material.
53.	134343	20-1-1972	ELKEM SPIGERVERKKT A/S., Middlethungsgate 27, P.O. Box 5430, Oslo 3, Norway.	Venturi gas scrubbers.
54.	134352	2-9-1970	F.L. SMIDT & COMPANY, A/s., 77 Vigerslev Alle, Dk-2500, Copenhagen Valby, Denmark.	Heating or cooling granular or powdered material.
55.	134355	22-1-1972	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Activating supported silvercatalyst.
56.	134377	24-1-1972	CSIR, III Floor, CSIR Complex NPL Campus, Library Road, Pusa, New Delhi-110 012.	Preparation of pellets containing carbonate and carbonaceous material.
57.	134380	25-1-1970	UNION CARBIDE CORPORATION, 270, Park Avenue, New York, State of New York U.S.A.	Reverse osmosis module.
58.	134381	25-1-1972	AGROPHYSICS, INC., 187, Steuart Street, San Francisco, California, U.S.A.	Device for insertion into the reproductive tract of animals and human beings.
59.	134431	31-1-1972	THE RUBBER RESEARCH INSTITUTE OF MALAYA, 3rd Mile Ampang Road, Kuala Lumpur, Malaysia.	Stabilization of natural rubber.
60.	134444	31-1-1972	POLYSAR LIMITED, Sarnia, Ontario, Canada.	Vulcanization of elastomers.
61.	134445	31-1-1972	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165/166, Backbay Reclamation, Bombay 400 020.	Tooth pastes.
62.	134490	3-2-1972	SNAMPROGETTI S.D.A. 16, Corso Venezia, Milan, Italy.	Polymerization of an olefine at high pressure in tubular reactors.
63.	134518	7-2-1972	BURMAH OIL TRADING LIMITED, Burmah House, 57, Chiswell Street, London EC1, England.	Hydraulic fluids.
64.	134522	7-2-1972	UZIMA DE PRO DUSE SODICE, Ocna Mures Str. Razboieni, nr-1, Rumania.	Manufacture of dense sodium carbonate.
65.	134523	7-2-1972	ALKOH CHEMICALS LIMITED, 1-39, 2-Chome, Ikenohate, Taito-ku, Tokyo, Japan.	Slag-forming agent for steel-making
66.	134672	18-2-1972	DAVY POWER GAS INC., New Mulberry Highway, Lakeland, Floriad, U.S.A.	Removing sulphur dioxide from a gas stream.

1	2	3	4	5
67.	134673	19-2-1972	WILHELM HEGLER, 8731, Oerlinbach, West Germany.	Transversally profiled plastic pipe.
68.	134678	19-2-1972	USS ENGINEERS AND CONSULTANTS, INC., 600 Arant Street Pittsburgh, State of Pennsylvania, U.S.A.	Forming a metallic coating on a moving strip emerging from a bath of molten coating material.
69.	134694	21-2-1972	INTERNATIONAL NICKEL LIMITED, Thames House, Millbank, London, SW1P 40F.	Chromium nickel-alloy product.
70.	134718	23-2-1972	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165/166, Backbay Reclamation, Bombay-400 020.	Cold water soluble tea.
71.	134733	24-2-1972	UNION CARBIDE CORPORATION, 270, Park Avenue, New York, USA.	Olefin separation process.
72.	134748	25-2-1972	INSTITUTT DE RECHERCHES DE LA SIDERURGIE FRANCAISE, 185 Rue President Roosevelt, 78104 Saint Germain-en-Laye, France.	Metal feed supply of metallurgical plants which require regular flow of molten metal.
73.	134782	1-3-1972	HOECHST AG, 45, Bruningstrasse, Frankfurt/Main, FRG.	Monoazo pigment.
74.	134783	1-3-1972	SHIN-ETSU CHEMICAL COMPANY LIMITED, 6-1 Otemachi, 2-Chome, Chiyoda-ku, Tokyo, Japan.	Suspension-polymerizing vinyl chloride.
75.	134799	2-3-1972	SNAMPROGETTI S.P.A., 16 Corso Venezia, Millan, Italy.	Inhibiting the polymerization of conjugated dienes.
76.	134800	2-3-1972	FARBWERKE HOECHST AKTIENGESellschaft, 45, Bruningstrasse, Frankfurt/Main, FRG.	Preparation of polyolefins.
77.	134816	3-3-1972	JOHNSON & JOHNSON, 501, George Street, New Brunswick, New Jersey, U.S.A.	Settable plaster of paris composition.
78.	134832	4-3-1972	Do. Do.	Improving gypsum cast forming compositions.
79.	134840	6-3-1972	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel Van Bylandtlaan 30, The Hague, the Netherlands.	Removal of soot, from aqueous suspensions thereof.
80.	134842	6-3-1972	TENCO-BROOKE BOND LIMITED, 35 and 37 Cannon Street, London, EC4, England.	Process for the preparation of an instant tea composition and tea composition prepared thereby.
81.	134855	7-3-1972	DR. SHYAM SUNDAR GHOSE, Belpahar Refractories Limited, Belapahar, S.E. Railway, Orissa, INDIA.	Process for making a zircon base abrasion resistant grinding media.
82.	134860	7-3-1972	UOP INC., Ten UOP Plaza—Algonquin & Mt., Prospect Roads, Illinois, U.S.A.	Hydrocarbon separation process.
83.	134871	8-3-1972	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., 230, Carel Van Bylandtlaan, The Hague, The Netherlands.	Butadiene recovery process.
84.	134872	8-3-1972	UOP INC., Ten UOP Plaza—Algonquin & Mt., Prospect Roads, Illinois, U.S.A.	Regeneration of a coke—deactivated catalyst comprising a combination of platinum Rhenium and halogen with a porous carrier material.
85.	134873	8-3-1972	IMPERIAL CHEMICAL INDUSTRIES LIMITED, Imperial Chemical House, Millbank, London, SW1, England.	Electrodes for electrochemical processes and method for the manufacture of such electrodes.
86.	134956	16-3-1972	UNION CARBIDE CORPORATION, 270 Park Avenue, New York, State of New York, 10017, U.S.A.	Process for the production of ferrosilicon alloys.
87.	134976	17-3-1972	NIPPON KOKAKANKA BUSHIKI KAISHA, 1-3, 1-Chome, Marunouchi, Chiyoda-ku, Tokyo, Japan.	Method for controlling the amount of silicon contained in an impurity in high carbon ferrochromium.
88.	134988	18-3-1972	HORIZONS RESEARCH INCORPORATED, 23800, Merchantile Road, Cleveland, Ohio, U.S.A.	Preparation of high molecular weight poly (phosphazene) copolymers.

1	2	3	4	5
89.	135013	21-3-1972	RHONE-PROGIL, Ime Piccini, 75 Paris 6e, France.	Producing phosphoric acid and calcium sulphate.
90.	135043	24-3-1972	UOP INC., Ten UOP Plaza-Alognquin & Mt. Prospect Roads, Illinois, U.S.A	Preparing a hydro refining catalyst.
91.	135060	25-3-1972	DR. CARL HAHN CMBH, Kaiserwertherstrasse, 270, 4000 Dusseldorf, FRG	Processing absorbent cotton articles particularly tampons for feminine hygiene.
92.	135096	29-3-1972	TELEFONKATIEBOLAGET LM ERICSSON, 2611, Stockholm 32, Sweden.	Process for electroplating an aluminium wire.
93.	135128	3-4-1972	SAINT-GOBAIN INDUSTRIES, 62, Boulevard Victor-Hugo Neuilly-Sur-Seine, France.	Manufacture of fibres from molten thermoplastic material.
94.	135139	3-4-1972	RHONE-PROGIL, 6 Rue Piccini, 75 Paris 16 e, France.	Bulk polymerising Vinyl chloride or vinyl chloride and another.
95.	135177	5-4-1972	USS ENGINEERS AND CONSULTANTS, INC., 600 Grant Street, Pittsburgh, State of Pennsylvania, U.S.A.	Treating liquid steel.
96.	135196	7-4-1972	SOLVAY & CIE, 33, rue du Prince Albert, B-1050 Brussels, Belgium	Preparation of aqueous solution for washing and bleaching
97.	135213	10-4-1972	CSIR, III Floor, Complex, NPL Campus, Library Road, Pusa, New Delhi 110 012.	Plating on steels with a fine layer of metallic chromium and chromium oxide.
98.	135231	11-4-1972	UNILEVER LIMITED, Unilever House, Blackfriars, London, E.C.4, England.	Preparation of an instant tea powder.
99.	135235	11-4-1972	FMC CORPORATION, 633, Third Avenue, New York 17, New York, U.S.A.	Form coke coated with glanz carbon and methods of production.

COMMERCIAL WORKING OF PAENTED INVENTION

ELECTRICAL LIST NO II

The following Patents in the field of Electrical Industry are not being commercially worked in India as admitted by the Patentees in the statement filed by them under Section 146(2) of Patents Act, 1970, in respect of Calendar year, 1979, generally on account of want of requests for licences to work the patented inventions

Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

S No	Patent No	Date of Patent	Name and address of Patentees	Title of Invention
1	2	3	4	5
1	135232	11-4-1972	RCA CORPORATION, 30 Rockteller Plaza, New York N Y 10020, U.S.A.	Making a Semiconductor device.
2	135280	15-4-1972	N.L. INDUSTRIES INC, 111 Boradway, New York, N Y 10016, U.S.A	Making a monolithic capacitor
3.	135350	7-7-1971	J P MATHUR & P P MATHUR, 18 Stanley Road, Allahabad 2 U.P., India	Testing Circuit
4.	135355	15-12-1970	WESTINGHOUSE, ELECTRIC CORPN, Pennsylvania, U.S.A.,	Phosphor Coated tubular lamp device
5.	135558	8-3-1972	RCA CORPORATION, New York, U.S.A.	A Semiconductor device
6	135559	8-3-1972	Do.	Assembling a semiconductor device
7.	135577	1-8-1972	COMBUSTION ENGINEERING INC, 1000, Prospect Hill Road, Windsor, Connecticut, U.S.A	Ionic flame monitor
8.	135672	20-10-1972	SANWA ELECTRIC WORKS LTD, 7-23 Nakamachi 1-Chome, Kog. nri-shi, Japan	Circuit Tester
9.	135699	18-5-1972	CANON KABUSHIKI KAISHA, 30-2-3-Chome, Shimonaruko, Ohta-ku, Tokyo, Japan	Electrophotographic copy device
10.	135701	18-5-1972	Do.	Do.
11.	135727	1-9-1972	WESTINGHOUSE ELECTRIC CORPN, New York, U.S.A.	An Encapsulated Semiconductor device.

1	2	3	4	5
12.	135733	31-5-1972	SIEMENS A. G., Berlin and Munich, FRG.	Frequency band-width divider circuit arrangement.
13.	135859	2-5-1972	DDI COMMUNICATIONS INC., 840 Seneca Street, Leviston, New York, U.S.A.	Multiplexer.
14.	135883	8-8-1972	UNION CARBIDE CORPORATION, 270 Park Avenue, New York, N.Y., U.S.A.	Resealable vent closure for sealed galvanic dry cell.
15.	136020	24-4-1972	WESTINGHOUSE ELECTRIC CORPN., New York, U.S.A.	Signal receiving apparatus for vehicle control system.
16.	136033	15-4-1972	N.L. INDUSTRIES INC., 111 Broadway, New York, N.Y., 10016, U.S.A.	Multilayer circuit structures and method of making the same.
17.	136199	16-9-1972	IMPERIAL CHEMICALS INDUSTRIES LTD., Imperial Chemical House, Millbank, London, England.	Electrodes for Electric chemical processes.
18.	136216	27-12-1972	UNION CARBIDE CORPORATION, 270 Park Avenue, New York, N.Y., U.S.A.	Non-aqueous electrochemical cell.
19.	136296	4-7-1972	WESTINGHOUSE ELECTRIC CORPORATION, Pittsburgh, Pennsylvania, U.S.A.	Rotors for synchronous dynamoelectric machines.
20.	136367	29-6-1972	SIEMENS AG., Berlin and Munich, West Germany.	Controlling apparatus for synchronous machine.
21.	136381	18-7-1972	THORN ELECTRICAL INDUSTRIES LTD., Thorn House, Upper Saint Martins Lane, London, England.	Ballast circuit for discharge lamps.
22.	136413	21-5-1973	SIEMENS AG., West Germany.	Temperature control system.
23.	136425	17-7-1972	MATSUSHITA SEIKO CO. LTD., 18 Imafuku, Kita-1-Chome, Joto-ku-Osaka, Japan.	Electric fan.
24.	136428	27-7-1972	THE K. C. P. LTD., 38 Mount Road, Madras, (T.N.) India.	Rawl Plug.
25.	136452	18-7-1972	WESTINGHOUSE ELECTRIC CORPORATION, Pennsylvania, U.S.A.	Rotor for dynamoelectric machines.
26.	136519	1-9-1972	Do.	Vertical dynamoelectric machine with stator support means.
27.	136521	26-9-1972	N. V. PHILIPS GF., Emmasingel, Eindhoven, Netherlands.	Exposure device for manufacturing a colour T.V. display tube.
28.	136530	4-1-1973	GIRLING LIMITED, Kings Road, Tyseley Birmingham 11, Warwickshire, England.	Servo-boosters for vehicle brake system.
29.	136702	26-6-1972	CANON KABUSHIKI KAISHA, 30-2, 2-Chome Shimomaruko, Ohta-ku, Tokyo, Japan.	Electrophotographic copying machines.
30.	136780	21-10-1972	BURROUGHS CORPORATION, 6071 Second Avenue, Burrough Detroit, Michigan, U.S.A.	Electronic counting device.
31.	136795	15-6-1972	GIRLING LTD., Warwickshire, England.	Servoboosters.
32.	136797	9-6-1972	C.S.I.R., Rafi Marg, New Delhi, India.	An Infrared detector.
33.	136816	2-5-1972	RCA CORPORATION, New York, U.S.A.	Television display system.
34.	136817	3-5-1972	Do.	Deflection yoke adapted for use in colour image display system.
35.	136818	30-5-1972	Do.	Magnetic beam adjusting device.
36.	136824	3-5-1972	Do.	Colour image display system.
37.	136850	10-5-1972	Do.	Do.
38.	136872	28-10-1972	P. R. MALLORY & Co. INC 3029 Washington Street, Indianapolis, Indiana, U.S.A.	Capacitor having anchoring spike.
39.	136945	21-11-1972	CUTLER-HAMMER WORLD TRADE INC., 4201, North 27th Street, Milwaukee, Wisconsin, U.S.A.	Electric Switches.

1	2	3	4	5
40.	136966	1-11-1972	SIEMENS AG., BERLIN & MUNICH, West Germany.	Electromechanical transducer used in electrical filters.
41.	136975	7-9-1972	ALUMINIUM COMPANY OF AMERICA, Aloca Building, Pittsburgh, Pennsylvania, U.S.A.	Electrode Assembly.
42.	136998	29-1-1973	WESTINGHOUSE ELECTRIC CORPN., Pennsylvania, U.S.A.	Rectifier assembly for brushless oxidation system.
43.	137027	27-12-1973	UNION CARBIDE CORPORATION, NEW York, U.S.A.	Primary dry cell with anode cup bottom protection.
44.	137054	27-12-1973	SIEMENS AG., West Germany.	Telecommunication system.
45.	137150	26-12-1972	INTERNATIONAL NICKEL LTD., Thames House, Millbank, London SW1P 4QF, England.	Battery Electrodes.
46.	137165	5-12-1972	GLOBE UNION INC., 5757 North Green Bay Avenue, Milwaukee, Wisconsin, U.S.A.	Multiple vent plug assembly for storage batteries.
47.	137196	16-7-1973	BURROUGHS CORPORATION, Second Wynton Burroughs, Detroit, Michigan, U.S.A.	Self-regulated drive apparatus for display system in Electronic calculators.
48.	137260	15-8-1973	ESSEX INTERNAL INC., 1601, Wall Street, Fort Wayne, Indiana, U.S.A.,	Terminating and splicing electrical conductors.
49.	137265	22-12-1972	SIEMENS AG., West Germany.	Electrical fuse assembly.
50.	137326	13-7-1973	SIEMENS AG., West Germany.	Radio Relay Systems.
51.	137351	9-1-1973	ASEA AB., Vasteras, Sweden.	Insulating part of Electric switching device.
52.	137421	5-2-1973	MASCHINENFABRIK REINHAUSEN GEBRUDER SCHEUBECK KG. 8, Falkensteinstrasse, 84, Regensburg, FRG.	Transformer housing.
53.	137439	31-1-1973	WESTINGHOUSE ELECTRIC CORPORATION, Pittsburgh, Pennsylvania, U.S.A.	A transducer device.
54.	137705	20-6-1973	RCA CORPORATION, New York, U.S.A.	Electron beam deflecting circuit.
55.	137743	16-11-1973	Do.	Leakage current prevention in semiconductor integrated circuit devices.
56.	137726	13-3-1973	MACHINENFABRIK REINHAUSEN GEBRUDER SCHEUBECK KG., 84 Regensburg, FRG.	Device for manually changing the setting of a motor driven stepping switch.
57.	137868	5-6-1973	W.S. INSULATORS OF INDIA LTD., Dharm Bhag., 175/1, Mount Road, Madras-2, Tamil Nadu, India.	A monitoring device for use in Lighting arrestors.
58.	137869	5-6-1973	Do.	Do.
59.	137890	5-6-1973	Do.	Do.
60.	138047	31-5-1973	HITACHI LTD., 4, 1-Chome, Marunouchi, Chiyoda-ku, Tokyo, Japan.	Shielded conductors in a disc winding for an electrical inductive device.
61.	138095	17-12-1973	WESTINGHOUSE ELECTRIC CORPN., New York (U.S.A.)	A method of making a thyristor.
62.	138160	1-2-1974	Do.	Rectifier assembly for brushless excitation systems.
63.	138251	1-8-1973	7000 MITSUBISHI DENKI KABUSHIKI KAISHA, 2-3 Marunouchi, 2-Chome, Chiyoda-ku, Tokyo, Japan.	Mounting structure for ferrite core used in the rotor of magneto generators.
64.	138272	9-10-1973	WESTINGHOUSE ELECTRIC CORPN. U.S.A.	Rectifier assembly for brushless excitation system.
65.	138306	12-3-1973	MASCHINENFABRIK REINHAUSEN GEBRUDER, SCHEUBECK KG., 84 Regensburg, F.R.G.	Electrical resistance element and load diverter switch incorporating the same.
66.	138463	21-11-1973	ASEA AB., Vasteras, Sweden.	Series Capacitor bank for achieving an uninterrupted stabilization of the condition of operation in high-voltage electric power supply net works.

1	2	3	4	5
67.	138527	23-2-1974	JASBIR SING BAJAJ, 8, Jamshedji Tata Road, Churchgate, Bombay, M.S. India.	Electronic solid-state numeric or digital watch.
68.	138528	20-12-1973	Do.	Electronic Solid-state automatic Calendar watch.
69.	138561	3-5-1973	THE FERTILIZER CORPN. OF INDIA LTD. P. O. Sindri, Dist. Dhanbad, Bihar, India.	Magnetic level indicator/transmitter.
70.	138623	29-3-1974	SIEMENS AG., FRG.	Electrical filters.
71.	138676	4-4-1974	Do.	Circuit for processing binary signals.
72.	138711	17-7-1974	WESTINGHOUSE ELECTRIC CORPN. U.S.A.	An amplifier with failsafe predetermined gain.
73.	138872	6-3-1974	YORKSHIRE SWITCHGEAR LTD., Grove Mills, Meanwood Road, Meanwood Leeds, England.	Electrical switchgear.
74.	138876	22-5-1974	SIEMENS AG., Berlin & Munich, FRG.	Multiple plug connectors.
75.	138906	7-2-1974	Do.	Control system for a plurality of machines supplying a load.
76.	138912	28-2-1973	MICAFIL LTD., Badenerstrasse, 780 Zurich, Switzerland.	Protective circuit for capacitive voltage transformers.
77.	139001	27-6-1974	WESTINGHOUSE ELECTRIC CORPN. U.S.A.	Electric insulator.
78.	139008	2-5-1974	V. SRINIVASAN, Lake Road, Calcutta-26, W.B., India.	Electric surge protection apparatus.
79.	139058	19-4-1974	MOSEBACH MANUFACTURING CO., Pittsburgh Allegheny County, Pennsylvania, U.S.A.	Grid resistor.
80.	139098	28-2-1973	JEAN ROCHET S.A. 3-bis, rue du congress 92600, Asnieres, France.	Miniature signal lamp with base.
81.	139102	22-5-1974	SIEMENS AG., FRG.	Coil formers.
82.	139272	25-10-1975	RCA CORPORATION, New York, U.S.A.	Colour image translating system.
83.	139341	2-7-1973	Do.	Plastic packaged semiconductor device.
84.	139475	10-8-1973	GIRLING LIMITED, Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Electrical plug and socket-connectors.
85.	139488	17-4-1973	Do.	Servo-boosters for vehicle brake system.
86.	139549	1-11-1974	WESTINGHOUSE ELECTRIC CORPN., U.S.A.	Circuit breakers with improved magnetic arc-driving system.
87.	139550	12-11-1974	BURROUGHS CORPORATION, Burroughs Place, Detroit, Michigan, U.S.A.	Lead less ceramic package for integrated circuit having heat sink means.
88.	139713	18-3-1974	GIRLING LIMITED, Warwickshire, England.	Servo-boosters for vehicle brake system.
89.	139736	19-11-1974	LARSEN AND TOUBRO LIMITED, L & T HOUSE, Ballard Estate, Bombay-38, M. S. India.	Star-Delta Starter for a 3-phase induction motor.
90.	139741	29-5-1974	SOFRETES-SOCIETE FRANCAISE DETU-DES THERMIQUES ET D'ENERGIE SOLAIRE, Amilly Loiret, France.	Power generating system comprising an engine actuated by the expansion of a liquifiable gaseous fluid.
91.	139846	7-3-1974	SIEMENS AG., FRG.	Electrical switch.
92.	139855	3-7-1974	BURROUGHS CORPORATION, Michigan, U.S.A.	Failsafe system for engineering the capstan motor of a magnetic tape transport system.
93.	139861	5-9-1974	GIRLING LIMITED, Warwickshire, England.	Servo-boosters.
94.	139902	9-7-1973	WESTINGHOUSE ELECTRIC CORPN., U.S.A.	Electrical measuring instrument.
95.	139922	3-9-1975	UNION CARBIDE INDIA LIMITED 1, Middleton Street, Calcutta-71, W.B. India.	Singal lanterns for optional coloured light emittance.
96.	139943	1-5-1973	ROCHE RAMCHAND PARDASANI, Bhatia Bldg., 87, Ranade Road, Shivaji Park, Dadar, Bombay-28, India.	Dead front fuse units.
97.	139962	3-5-1973	Do.	Cut-out for fuse base.

1	2	3	4	5
98.	139964	29-08-1973	BURROUGHS CORPORATION, U.S.A.	A micro-programmable multi-processor system.
99.	139967	12-11-1973	WESTINGHOUSE ELECTRIC CORPORATION, U.S.A.	Circuit interrupter comprising electro-magnetic opening means.
100.	139968	23-08-1974	SIEMENS AG, FRG.	Switch.
101.	139989	19-11-1973	THE GENERAL ELECTRIC COMPANY LIMITED, 1 Stanhope Gate, London W1A 1EH, England.	Electrical circuits for producing a D. C. output signal which follows variations in peak value of an alternating input-signal.
102.	139992	31-05-1974	UNION CARBIDE CORPORATION, 270 Park Avenue, New York, N. Y. 10017, U.S.A.	High pressure infra-red cell for use in analysing machine.
103.	139994	19-09-1974	SIEMENS AG, Berlin & Munich, FRG.	A programme-controlled data switching system.
104.	139995	09-10-1974	Do.	Oscillator control circuit.
105.	140062	17-12-1974	USS ENGINEERS & CONSULTANTS INC., 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A.	Low balanced reactance delta closure for electric arc furnace transformers.
106.	140085	14-09-1973	BURROUGHS CORPORATION, Michigan, U.S.A.	Automatic generation of mini computer instructions for discrete classes of application.
107.	140104	05-04-1974	SIEMENS AG., FRG.	Microwave circulators.
108.	140105	26-07-1974	Do.	Electromagnetically operable switching arrangement.
109.	140113	07-08-1974	Do.	Multiple socket connectors.
110.	140119	02-05-1974	V. SRINIVASAN of W. S. INSULATORS OF INDIA LIMITED, 9 Lake Road, Calcutta-26, W.B., India.	Lightening arrestor.
111.	140134	12-07-1974	MAX BAERMANN, 506, Bensberg, Bezirk Köln, Wulfschhof, FRG.	Eddy current and hysteresis brake for track-bound vehicles.
112.	140135	07-08-1974	SIEMENS AG, FRG.	Camouflaged speech signal transmission system.
113.	140176	12-11-1974	BURROUGHS CORPORATION, Michigan, U.S.A.	A data driven information processing system.
114.	140185	09-10-1974	SIEMENS AG, FRG.	Piezoelectric resonators.
115.	140220	13-08-1973	C.S.I.R., Rafi Marg, New Delhi, India.	Fabrication of solid foil type aluminium electrolytic capacitors.
116.	140386	06-03-1975	SIEMENS AG, FRG.	An electromagnetically operable switch arrangement.
117.	140457	15-11-1973	LODGE-COTTRELL LIMITED, George Street, Parade, Birmingham, England.	Automatic voltage controller.
118.	140475	21-10-1975	UNION CARBIDE INDIA LIMITED, Middleton Street, Calcutta-71, W.B. India.	Flash lights or electric torches.
119.	140542	30-04-1974	SIEMENS AG, FRG.	Digital filter.
120.	140560	10-07-1974	BURROUGHS CORPORATION, Michigan, U.S.A.	A microprogrammable computer system.
121.	140573	12-08-1974	RCA CORPORATION, New York, U.S.A.	High-reliability plastic packaged semiconductor device.
122.	140575	19-09-1974	SIEMENS AG, FRG.	Programme-controlled data switching systems.
123.	140601	23-11-1974	THE GENERAL ELECTRICAL COMPANY LIMITED, London, England.	Protective devices or electric power transmission systems.
124.	140603	09-04-1974	BURROUGHS CORPORATION, Michigan, U.S.A.	A small micro programme data processing system employing multi-syllable micro-instructions.
125.	140702	27-08-1973	GIRLING LIMITED, Birmingham, Warwickshire, England.	Servo-boosters for vehicle brake system.
126.	140731	28-11-1974	SIEMENS AG, FRG.	Multi-channel diode switching circuits for high frequency operation.

1	2	3	4	5
127.	140736	26-09-1973	WESTINGHOUSE ELECTRIC CORPORATION, U.S.A.	Protective relay system.
128.	140869	04-02-1975	SIEMENS AG, FRG.	Electromagnetically operable switch gear.
129.	140889	17-10-1974	Do.	Frequency-changer structure.
130.	140926	01-04-1974	Do.	Microwave calculators.
131.	140969	04-07-1974	RHONE-PROGIL S.A. 25 Quai Paul-Doumer, 92408 Courbevoie, France.	Bipolar electrolysis electrodes with incorporated frames.
132.	140988	19-12-1973	SIEMENS AG, FRG.	Carrier frequency data transmission system.
133.	140999	07-01-1975	MASCHINENFABRIK REINHAUSEN GEBRUDER SCHEUBECK KG, 8 Falkeensteinstrasse 8400 Regensburg, FRG.	Load diverter switch assembly.
134.	141075	19-03-1975	WESTINGHOUSE ELECTRIC CORPORATION, Westinghouse Building, Gateway Centre, Pittsburgh, Pennsylvania, U.S.A.	Outdoor current limiting fuse.
135.	141348	01-02-1974	HOOKE CHEMICALS & PLASTICS CORPORATION, Niagara Falls, New York, U.S.A.	Electrolytic cell.
136.	141379	25-03-1974	TELEFONAKTIEBOLAGETLM ERICSSON, 12611 Stockholm 32, Sweden.	Function block oriented S. P. C. system.
137.	141384	04-09-1974	THORN ELECTRICAL INDUSTRIES LIMITED, Thorn House, Upper Saint Martin's Lane, London WC2H 9ED, England.	Electric incandescent lamps.
138.	141418	16-09-1974	WESTINGHOUSE ELECTRIC CORPORATION, Pittsburgh, Pennsylvania, U.S.A.	Sealing device for discharge chamber of liquid cooled rotors for dynamo electric apparatus and rotor.

[MECHANICAL & GENERAL—LIST NO. 1]

COMMERCIAL WORKING OF PATENTED INVENTION

The following Patents in the field of Mechanical & General Industry are not being commercially worked in India as admitted by the Patentees in the statement filed by them under Section 146-(2) of Patents Act, 1970, in respect of Calendar Year, 1979, generally on account of want of requests for licences to work the patented inventions.

Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

S. No.	Patent No.	Date of Patent	Name and address of Patentees	Title of invention
1	2	3	4	5
1.	98963	12-04-1965	CARDWELL WESTINGHOUSE COMPANY, 322 South Michigan Avenue, Chicago, Illinois, U.S.A.	Two way automatic slack adjuster.
2.	100351	30-06-1965	PLASTEX LIMITED, 4 & 5 Westmoreland Street, Dublin, Ireland.	Feller bars for textile combing machines and other comblike members.
3.	102025	13-10-1965	SARCO INTERNATIONAL CORPORATION, 2 Park Avenue, City of New York, N. Y., U.S.A.	Steam trap
4.	102034	13-10-1965	CATERPILLAR TRACTOR COMPANY, 800 Davis Street, San Leandro, California, U. S. A.	Diagonal bracing and bulldozer blade mounting.
5.	102057	14-10-1965	Do.	High pressure hydraulic base coupling assembly.
6.	104622	29-03-1966	MONSANTO COMPANY, 800 North Lindbergh, Boulevard, St. Louis, Missouri, U.S.A.	Shaped articles and their manufacture.
7.	105195	10-05-1965	CATERPILLAR TRACTOR COMPANY, 100, N. E. Adams Street, Peoria, Illinois, U.S.A.	System for controlling vibration between articulately connected vehicle compositions.

1	2	3	4	5
8.	107219	28-09-1965	F. L. SMIDTH AND COMPANY, A/S, 77 Vigerslev Alle, Copenhagen Valby, Denmark.	Rotary kilns.
9.	107832	04-11-1966	CATERPILLAR TRACTOR COMPANY, 100 N. E. Adams Street, Peoria, Illinois, U. S. A.	Manufacturing of Hose.
10.	107960	02-12-1965	PANDROL LIMITED, 7 Rolls Buildings, Fitter Lane, London, E. C. 4, England.	Concrete railway sleepers, retaining members incorporating fastening arrangements in them.
11.	108389	12-12-1966	CATERPILLAR TRACTOR COMPANY, Illinois, U. S. A.	Stabilizing means for earth moving scrapers.
12.	108585	26-12-1966	Do.	Resilient shock absorbing device.
13.	108651	30-12-1966	PANDROL LIMITED, 7 Rolls Buildings, Fitter Lane, London EC 4, England.	Concrete railway sleepers and rail-fastening arrangement employing them.
14.	109064	27-01-1964	CATERPILLAR TRACTOR COMPANY, Illinois, U. S. A.	Ejector Mechanism for loader buckets.
15.	109540	01-03-1967	Do.	Tractor scraper combination with resilient means to provide temporary supply therefor.
16.	110714	18-05-1967	Do.	Hydraulic follow-up for vehicle steering system.
17.	110817	25-05-1967	Do.	Tractor-scraper combination.
18.	111022	08-06-1967	Do.	Hydraulic actuating means for a pair of steering clutches in the drive train tractor.
19.	111202	22-06-1967	Do.	[Do. Reinforcement for Pneumatic tyres.
20.	111205	22-06-1967	F. L. SMIDTH AND COMPANY, A/S, Denmark.	Producing ground material and a grinding mill therefor.
21.	111272	26-06-1967	INSTITUTE FRANCAIS DU PETROLE, DES CARBURANTS ET LUBRIFIANTS, 1 & 4, Avenue de Bois-Preay, 92, Rueil Malmaison (Hauts de Seine), France.	Device for seismic prospecting in a body of water.
22.	111835	02-12-1965	PANDROL LIMITED, London, England.	Retaining members for incorporation in concrete sleepers.
23.	112282	08-09-1967	CATERPILLAR TRACTOR COMPANY, Illinois, U. S. A.	Hydraulic control system for a multi-speed transmission.
24.	112283	08-09-1967	Do.	Hydraulic governor.
25.	112630	30-11-1966	PARKE, DAVIS & COMPANY, Josef Company at river, Detroit, Michigan, U. S. A.	Self-locking hard shell capsule.
26.	112893	24-10-1967	CATERPILLAR TRACTOR COMPANY, Illinois, U. S. A.	Push-pull coupling for tractor-scraper units.
27.	113076	08-11-1966	F. L. SMIDTH & COMPANY A/S 77 Vigerslev-Alle, Copenhagen-valby, Denmark.	Improvements in drum sieves.
28.	113543	11-12-1967	CARDWELL WESTINGHOUSE COMPANY, 332, South Michigan Avenue, Chicago, Illinois, U.S.A.	Two-way automatic slack adjuster.
29.	113699	19-12-1967	INSTITUTE FRANCAIS DU PETROL DES CARBURANTS ET LUBRIFIANTS, 92, Rueil Malmaison, France.	Device for detonating explosive charges in a liquid medium.
30.	113799	26-12-1967	F. L. SMIDTH AND COMPANY, A/S Copenhagen -Valby, Denmark.	Mills for grinding mineral materials.
31.	115346	08-04-1968	CARDWELL WESTINGHOUSE COMPANY, Illinois, U.S.A.	Two-way automatic brake adjuster.
32.	116118	28-05-1968	CATERPILLAR TRACTOR COMPANY, Illinois, U.S.A.	Two piece master track link.
33.	116246	05-06-1968	PARKE, DAVIS & COMPANY, 201, Tabor Road, Morris Plains, New Jersey, U. S. A.	Locking capsule.

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34.	116639	04-07-1967	WRIGHT RAIN LIMITED, Crewe, Ringwood, Hampshire, England.	Rotary water sprinkler.
35.	116808	16-07-1968	CARDWELL WESTINGHOUSE COMPANY, Illinois, U. S. A.	Hand brake for rail-road cars.
36.	116834	17-07-1968	Do.	Do.
37.	117277	16-08-1967	F. L. SMIDTH AND COMPANY, A/S, Denmark.	Conveying and distributing device.
38.	117542	03-09-1968	CATERPILLAR TRACTOR COMPANY, Illinois, U.S.A.	Articulated chain assembly.
39.	117779	22-09-1967	F. L. SMIDTH AND COMPANY, A/S, Denmark.	Rotary kilns with cooler tubes.
40.	118699	20-11-1968	INSTITUTE FRANCAIS DU PETROLE, DES CARBURANTS ET LUBRIFIANTS, France.	Device for emitting accoustic waves in liquid medium.
41.	118808	30-11-1968	CATERPILLAR TRACTOR COMPANY, Illinois, U. S. A.	Replaceable ripper tip assembly.
42.	119800	11-02-1969	CARDWELL WESTINGHOUSE COMPANY Illinois, U.S.A.	Two-way brake adjuster.
43.	121021	24-04-1968	F. L. SMIDTH AND COMPANY, A/S, Denmark.	Heat exchanger.
44.	121110	28-04-1969	N. V. PHILIPS GLOEILAMPENFABRIEK, Emmasingel, Eindhoven, Netherlands.	A magnetic core and a magnetic core manufactured thereby.
45.	121239	09-05-1968	COAL INDUSTRY (PATENTS) LIMITED, Hobart House, Grosvenor Place, London, England.	Method and apparatus for heating liquids.
46.	121489	24-05-1969	ROBERT ANGUS KIPP, 8 Fulham Avenue, Winnipeg 9, Manitoba, Canada.	Air floatation separators.
47.	122884	13-12-1968	THE CEMENTATION COMPANY LIMITED Cementation House, 681 Mitcham Road, Crydon, Surrey, England.	Reamer bit.
48.	124264	30-10-1967	F. L. SMIDTH AND COMPANY, A/S, Denmark.	Conveying and distributing device.
49.	125691	11-03-1970	CARDWELL WESTINGHOUSE COMPANY, Illinois, U.S.A.	Sealed non-spin hand brake arrangement.
50.	125766	16-03-1970	ADAMS INC., P. O. Box 8336, Station A, Green Ville, South Carolina, U.S.A.	Stop motion devices.
51.	125768	19-03-1969	F. L. SMIDTH AND COMPANY A/S, Denmark.	Bag filling machines.
52.	126195	13-01-1971	SARABHAI TECHNOLOGICAL DEVELOPMENT SYNDICATE PRIVATE LIMITED, Shahibag House, Shahibag, Ahmedabad-4, Gujrat, India.	A vehicle for serving as a mobile shop.
53.	126222	16-04-1970	JOHNSON AND JOHNSON (Plastics) LIMITED Guinsteen Road, London SE8, England.	Container and tamper proof closure assembly.
54.	126567	08-05-1970	USS ENGINEERS AND CONSULTANTS-INC., 525 William Penn Street, Pittsburgh, Pennsylvania, U.S.A.	Apparatus for and method of protecting a sheet being electroplated with a metal.
55.	126743	20-05-1970	Do.	Sliding-gate closure for bottom-pour vessel removable as a unit.
56.	127073	08-05-1969	COAL INDUSTRY (PATENTS) LIMITED, Hobart House, Grosvenor Place, London, England.	Apparatus for heating liquids.
57.	127074	15-06-1970	GIRLING LIMITED, King's Road, Tyseley Birmingham 11, Warwickshire, England.	Automatic slack adjuster for vehicle brake.
58.	127130	25-06-1969	Do.	Frictional couplings.
59.	127215	27-07-1970	TED BILDPLATTEN AG. AEG Telefunken-Teldex, Ch-6301, Zuglschweiz. Hainbühls, Postfach 126, Switzerland.	Mechanism for driving of a play back system.

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60.	127259	25-06-1970	GIRLING LIMITED, Warwickshire, England.	Automatic adjuster for shoe drum brake.
61.	127420	05-05-1971	CARBORUNDUM UNIVERSAL LIMITED, 11/2, North Beach Road, Madras-I, Tamil Nadu, India.	Grinding and or polishing attachment device.
62.	127450	08-07-1970	RCA CORPORATION, 30 Rockefeller Plaza, New York, N.Y., U.S.A.	Making duplicates of optical or sound re- cordings.
63.	127472	09-07-1970	PREROUSKE STROJIRNY NP. Prerov, Czechoslovakia.	Apparatus for preheating of pulverous ma- terial like cement raw material.
64.	127491	10-07-1970	CENTRE STEPHANOIS DE RECHERCHES MECANIQUES HYDROMECHANIQUE ET FROTTEMENT, 79 rue Neyron, Saint Etien- ne, Loire, France.	Decorticating solid porous bodies.
65.	127524	13-07-1970	F. L. SMIDTH AND COMPANY, A/S, Den- mark.	Dry grinding clinkers or other material.
66.	127551	15-07-1970	PREROVSKE SPROJIRNY NP, Prerov, Czechoslovakia.	Cooling granuleous material.
67.	127672	23-07-1970	THE GILLETTE COMPANY, Prudential Tower Building, Boston, Massachusetts, U.S.A.	Razor blades.
68.	127863	04-08-1970	WESTINGHOUSE AIR BRAKE COMPANY, Pittsburgh, Pennsylvania, U. S. A.	Braking and propulsion system for railway vehicle.
69.	127877	04-08-1970	A. DANSK LECABETSON. Paul Bergesvej, 17, Glostrup, Denmark.	Rotary kiln for producing bloated clay product.
70.	127900	18-11-1969	WRIGHT RAIN LIMITED, Crowe, Ring- wood, Hampshire, England.	Rotary water sprinkler.
71.	128000	12-08-1970	EMHART INDUSTRIES INC., 426 Colt Highway, Farmington, Connecticut, U.S.A.	Foreign particle inspection machine for liquid filled containers such as ampoules.
72.	128061	18-08-1970	SUMITOMO ELECTRICAL INDUSTRIES LI- MITED, 15, 5-Chome, Kitahama, Higashi- ku, Osaka, Japan.	Heat-treating hot-rolled steel wire rod.
73.	128107	20-08-1970	GIRLING LIMITED, Warwickshire, England.	Brake adjusters.
74.	128124	21-08-1970	CANRON LIMITED, 1121, Place Ville Marie, Montreal, Quebec, Canada.	Chord liner.
75.	129159	25-08-1970	BRITISH STEEL CORPORATION, 33 Gros- venor Place, London, England.	Spigot and socket pipe joints.
76.	128172	26-08-1970	WILLIAM STEPHEN SCHNEIDER, 1765, Rohr Street, Glendale, California, U.S.A.	Multiple compartment package
77.	128226	28-08-1970	ANGELO JOHN CRISAFULLI, P. B. 1051, Glendive, Montana, U. S. A.	Centrifugal pump.
78.	128231	29-08-1970	GIRLING LIMITED, Warwickshire, England.	Disc brakes.
79.	128269	02-09-1970	mitsubishi RAYON COMPANY LIM- ITED, 8 Kyobashi 2-Chome, Chuo-ku, Tokyo, Japan.	Non-woven fibrous product.
80.	128303	05-09-1970	GLAVERBEL MACANIVER, 166 Chausse de la Hulpe Watermaelboisfort, Belgium.	Apparatus for drawing sheet piles
81.	128276	02-09-1970	F. L. SMIDTH AND COMPANY, A/S, Denmark.	Heating or cooling granular or powdered material.
82.	128326	08-09-1970	GIRLING LIMITED, Warwickshire, England.	Hydraulic braking system for vehicles.
83.	128343	08-09-1970	HERMANN PAPST, Karl-Maier Strasse 1, St. Georgen, Schwyz-2-wald FRG.	Hollowbody transporter for transporting utility gases.
84.	128448	16-09-1970	LINDEN ALIMAK AB, 93103 Skellefteå-3, Sweden.	Methods for mining in barren rocks ore bodies.
85.	128481	18-09-1970	LIBBEY-OWENS-FORD COMPANY, 811 Madison Avenue, Toledo, Ohio, U.S.A.	Apparatus for bending glass sheets.
86.	128548	22-09-1970	MONSANTO COMPANY, 800 North Lind- bergh Boulevard, St. Louis, Missouri, U.S.A.	Extrusion of essentially inviscid jets.

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87.	128597	25-09-1970	CATERPILLAR TRACTOR COMPANY, 100 Adams Street, Peoria, Illinois, U. S. A.	Cushioned track for earth working machines.
88.	128928	21-10-1970	HARBANSLAL MALHOTRA & COMPANY, P-12 New C. I. T. Road, Calcutta-12, West Bengal, India.	Magazine for ribbon like shaving blade.
89.	128931	21-10-1970	Do.	Safety razor.
90.	128979	24-11-1969	GIRLING LIMITED, Warwickshire, England.	Reservoirs for master cylinders.
91.	129103	03-11-1970	ETABLISSEMENT SALGAD, Vaduz, Liechtenstein.	Calculating device for angular setting of the aiming attachment of grenade throwers.
92.	129126	06-11-1970	GIRLING LIMITED, Warwickshire, England.	Vehicle brakes.
93.	129137	07-11-1970	BORGS FABRIK AKSIEBOLAGE, P.B. 242, S-60104 Norrköping, Sweden.	Aircraft barrier net.
94.	129138	07-11-1970	Do.	Do.
95.	129164	10-11-1970	UNIVERSAL OIL PRODUCTS COMPANY, 10 UOP Plaza, Illinois, U. S. A.	Vehicle seats.
96.	129192	13-09-1971	AHEMEDANAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, P. O. Polytexnic, Ahmedabad-15, Gujarat, India.	Dual dryer for textile and like materials in incorporating arrangements for the efficient use of drying medium and drying space.
97.	129199	12-11-1970	FEATHER INDUSTRIES LIMITED, 1-600 Matsumari Mino City, Gifu Prefecture, Japan.	Operating knife.
98.	129289	18-11-1970	MAX PASBRIG, Via All'Eco. Casa Luce, Orsolina, Switzerland.	Universal wrench.
99.	129410	26-11-1970	THE OFFSHORE COMPANY, P.B. 2765, Houston Texas, U.S.A.	Drilling platform.
100.	129515	05-12-1970	GIRLING LIMITED, Warwickshire, England.	Hydraulic braking system for vehicles.
101.	129534	05-03-1971	MANOHAR INDUSTRIES, Mohalla Godipura, Nanded, M. S., India.	Prefabricated structure for use in irrigation system.
102.	129639	17-12-1970	UOP INC., Desplaines, Illinois, U. S. A.	Heat transfer tube with porous boiling surface.
103.	129652	18-12-1970	GIRLING LIMITED, Warwickshire, England.	Vehicle shoe drum brake.
104.	129741	26-12-1970	WILHELM STAHLCKER G. m. b. H. 7341, Reichenbach, Wuertemberg, FRG.	Twin top rollers for drafting system of spinning machines and method of producing the same.
105.	129748	28-12-1970	GIRLING LIMITED, Kings Road, Tyseley, Birmingham 11, England.	Liquid reservoirs.
106.	129782	30-12-1970	Do.	Lock actuators.
107.	129820	01-01-1971	HARBAN LAL MALHOTRA & SONS LIMITED, 12 C. I. T. Road, Calcutta, West Bengal, India.	Shaving blades.
108.	129821	01-01-1971	Do.	Safety shaving apparatus.
109.	129849	06-01-1971	DUNLOP COMPANY LIMITED, Dunlop House, Ryder Street, St. James's, London SW1, England.	Composite articles and assemblies particularly friction element assemblies.
110.	129852	06-01-1971	GIRLING LIMITED, Warwickshire, England.	Drum type brake.
111.	129880	08-01-1971	USS ENGINEERS AND CONSULTANTS INC., 600 Grant Street, Pittsburgh, Pennsylvania, U. S. A.	Apparatus for introducing gas in hot metal in a bottom-pur vessel.
112.	129884	08-01-1971	ETABLISSEMENT SALGAD, Liechtenstein.	Storage and transport of projectiles all the fin-stabilized projectiles.
113.	129931	14-01-1971	DUNLOP COMPANY LIMITED, London, England.	Reinforced flexible hose.
114.	129998	19-01-1971	ETHICON INC., Sommerville, New Jersey, U. S. A.	Electropolishing of drilled surgical needles and apparatus therefor.

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115.	130033	22-01-1971	G. D. SOCIETA PER AZIONI, Via Pomponia 10, Bologna, Italy.	A device for automatically varying the operating speed in packing up machines for packet cigarettes.
116.	130038	22-01-1971	GUSTAV SCHADE MASCHINENFABRIK G.m.b.H. & COMPANY, D-46, Dortmund, Am Rosenplatzchen, F.R.G.	Device for the removal of material from storage.
117.	130042	25-01-1971	GIRLING LIMITED, Warwickshire, England.	Mechanical couplings for frictional elements of a brake.
118.	130085	28-01-1971	Do.	Mechanical couplings for shoe drum brakes.
119.	130100	29-01-1971	DUNLOP HOLDINGS LIMITED, Dunlop House, Ryder Street, St. Jame's London, England.	Printer's blanket.
120.	130135	02-02-1971	GIRLING LIMITED, England.	Disc brakes.
121.	130191	05-02-1971	G. D. SOCIETA PER AZIONI, Via Pomponia 10 Bologna, Italy.	Conveyor device for assembling overlying layered sets of cigarettes and packing them in packets in packing machines.
122.	130208	08-02-1971	BEKAERT-COCKERILL, Scheldeboased 10, B 2620, Himiksem, Belgium.	Manufacturing steel wool, profile steel wire to be used in this method and steel wool manufactured by this method.
123.	130217	09-02-1971	BORGS FABRIKS AKTIEBOLAG, P. B. 242, S-60104, Norrköping, Sweden	A method of operating energy absorbers and an apparatus therefor.
124.	130247	12-02-1971	THE GOODYEAR TIRE AND RUBBER Company 1144 East Market Street, Akron, Ohio, U. S. A.	Inflatable shelter and method of erection.
125.	130298	17-02-1971	USS ENGINEERS & CONSULTANTS INC., 525 William Penn Place, Pittsburgh, Pennsylvania, U. S. A.	Contact assembly in a rotary type plating apparatus.
126.	130407	27-02-1971	OIKE AND COMPANY LIMITED, 177 Tokusayama-cho, Nishinotoinvishiry, Bukkojitori, Shimogyo-ku, Kyoto-shi, Japan.	Process for cutting filmy material in slit thread and warping the thread.
127.	130539	11-03-1971	CARDWELL WESTINGHOUSE COMPANY, Chicago, Illinois, U. S. A.	Hand brake for rail road cars.
128.	130556	16-03-1971	FISONS LIMITED, Harvest House, Felix Stowe, Suffolk, England.	Device for dispensing a medicament in a finely divided powder form.

[MECHANICAL & GENERAL LIST NO.2]

COMMERCIAL WORKING OF PATENTED INVENTION

The following Patents in the field on Mechanical & General Industry are not being commercially worked in India as admitted by the Patentees in the statement filed by them under Section 146(2) of Patents Act, 1970, in respect of Calendar year, 1979, generally on account of want of requests for licences to work the patented inventions.

S. No.	Patent No.	Date of Patent	Name & Address of the Patentee	Title of the Invention
1	2	3	4	5
1.	130565	16-3-1970	LESLIE GORDON HUDSON, Little Copped Hall, Epping, Essex, England.	A runner for drawer support units.
2.	130574	16-3-1971	ETABLISSEMENT SALGAD-Vaduz, Liechtenstein.	For unlocking a tensioning member in gems recoil braka.
3.	130609	17-3-1971	PRESSURE COOKERS & APPLIANCES LTD., United India Building, Sir P. M. Road, Bombay, India.	Safety valves for pressure cookers.
4.	130610	17-3-1971	Do.	Pressure cookers and more particularly the handle-bar that holds the lid.
5.	130667	22-3-1971	HARBANSLAL MALHOTRA & SONS LTD., 226/2 Acharya Jagadish Chandra Bose Road, Calcutta, India.	Manufacture of high carbon steel razor blades.

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6.	130743	26-3-1971	ETABLISSEMENT SLAGAD, Vaduz, Liechtenstein	Unlocking a traction unit particularly with vehicles.
7.	130769	29-3-1971	ABEX CORPORATION, 530 Fifth Avenue, New York, U.S.A.	Production of traction materials.
8.	130808	1-4-1971	SHELL INTERNATIONALE RESEARCH MATSCHAPPIJ, B. V., The Hague, The Netherlands.	Apparatus for effecting the intimate mixing of two gaseous streams.
9.	130834	3-4-1971	BORGS FABRIKS AKTIEBOLAG, P.B. 242, 5-60104, Norrköping, Sweden.	Apparatus for regulating the driving torque and energy absorption in absorption device.
10.	130843	5-4-1971	COMBUSTION ENGINEERING INC., 1000, Prospect Hill Road, Windsor, Connecticut, U.S.A.	Method for forming corners of omega-type expansion joints.
11.	130904	8-4-1971	COMBUSTION ENGINEERING INC, Windor, U.S.A.	Mechanism for supporting a toggle section connected in a duet system between surface sections.
12.	130926	19-7-1971	SARVODAYA INDUSTRIES, of 30 Digvijay Plot Jamnagar, Gujarat, India.	Rising butt hinges.
13.	130974	4-4-1971	DUNLOP HOLDINGS LIMITED, Dunlop House, Ryder Street, St. Jame's London, England.	Flexible interconnectable hosepipe.
14.	130977	14-4-1971	SULZER BROTHERS LIMITED, 8401, Winterthur, Switzerland.	A storage device for filamentary material.
15.	131036	19-4-1971	RDL CONTRACTING LIMITED, Elliot House, Hillside Crescent, Edinburgh, Scotland.	Manufacture of parallel wire strands.
16.	131038	21-4-1971	USS ENGINEERS AND CONSULTANTS INC., 525 William Penn Place, Pittsburgh, Pennsylvania, U.S.A.	Improved slidable gate construction for use as a closure on a bottom pour vessel.
17.	131039	21-4-1971	GIRLING LIMITED, Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Brake adjuster mechanisms for drum brakes.
18.	131081	22-4-1971	RUTI MACHINERY WORKS LTD, CH-8630 Ruti, Zurich, Switzerland.	Arrangement for holding weft threads.
19.	131120	26-4-1971	JOHN HAROLD BARWELL, 13 Cranmer Road, Cambridge, Cambridgeshire, England.	Applying tread material to a tyre or wheel and a tyre or wheel so obtained.
20.	131201	1-5-1971	REINAR SCHMIDT AND ERIK SCHMIDT, both of Skyttegaten, Ludvika, Sweden.	A thread cutting device for slide lathes.
21.	131222	4-5-1971	WILLIAM PRYM WERKE KG, 519 Stalberg/Rhld, Zweifaller Str. 5-7, FRG.	Manufacturing a slide fastener by weaving.
22.	131239	5-5-1971	STENCEL AERO ENGINEERING CORPORATION, Municipal Airport Road, Arden, North Carolina, U.S.A.	Arrangement for deploying and spreading a parachute.
23.	131242	5-5-1971	AKTIESELSKABET NIRO ATOMIZER, 305 Gladsaxevej, 2860 Sborg, Denmark.	A liquid distributor for feeding liquid to rotating atomiser wheel.
24.	131290	7-5-1971	USTAV PRO VYZKUM RUD, Praha 4, Modranska 23, Czechoslovakia.	High intensity multizone magnetic separator.
25.	131339	12-5-1971	CARDWELL WESTINGHOUSE COMPANY, 332 South Michigan Avenue, Chicago, Illinois, U.S.A.	Scaled non-spin hand brake arrangement.
26.	131357	13-5-1971	VDO TACHOMETER WERKE ADOLF SCHINDLING GmbH 6 Frankfurt am Main go Postfach 901020, FRG.	Tachometer with a distance coupling device.
27.	131374	14-2-1972	A FRIEDR FIENDER & CO. 4290, Bochlt, FRG.	Flexible couplings.
28.	131406	16-2-1972	COMPAIGTNE PECHINEY, 23 Rue Balzac, Paris 8C, France.	Formation of threaded bores having a dress surface.
29.	131435	29-1-1972	N.P. KINARIWALA PVT. LTD., 148 Garden Area, Maninagar, Ahmedabad-8, Gujarat, India.	Traverse drum for use in winding machines.
30.	131436	29-1-1972	Do.	Do.

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31.	131488	25-5-1971	GIRLING LTD., Warwickshire, England.	Disc brakes for vehicles.
32.	131491	25-5-1971	INPLAST HADLEGESELLSCHAFT m.b.H 6, Frankfurt am main, Eschershiemir, Landstrasse 516, FRG.	A sports striking instrument e.g Hockey or Golf Club.
33.	131497	26-5-1971	BORGS FABRIKS AKTIEBOLAG P.B. 242, Norrköping, Sweden.	Device for restoring the retractable barrier after arresting an aircraft.
34.	131503	26-5-1971	SIEMENS AG, Berlin and Munich, FRG.	A die suitable for use in the application of a covering layer to a wire and a method of applying a covering layer to a wire using the die.
35.	131565	2-6-1971	GIRLING LIMITED, King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Disc brakes
36.	131602	4-6-1971	EMHART INDUSTRIES INC, 950 Cottage Grave Road, Town of Bloom Field, Connecticut, U.S.A.	System for inspecting a liquid filled transparent container.
37.	131761	17-6-1971	DUNLOP LIMITED, Dunlop House, Ryder Street, St. James', London SW 1, England.	Printers blanket.
38.	131795	18-4-1972	MANOHAR INDUSTRIES, Mohalla Gadi-pura, Mandel, M.S., India.	Gauge post.
39.	131828	22-6-1971	GIRLING LIMITED, Warwickshire, England.	Lock actuators for vehicle wheel brakes.
40.	131831	22-6-1971	(1) SCHWARZ-HOLYWELL LIMITED, Backworth Mining Office Shiremoor, Northumberland England, and (2) JACK REO KENNEDY 200 South Jayne Street, Taylorville, Illinois, U.S.A.	Air stripping in underground mines.
41.	131885	26-6-1971	GIRLING LIMITED, Warwickshire, England	Lining wear indicators.
42.	131964	2-7-1971	DUNLOP HOLDINGS LIMITED, Dunlop House, Ryder Street, St. James', London, England.	Pneumatic tyres.
43.	131965	2-7-1971	G.D. SOCIETA PER AZIONI, Via. Pomponia 10, Bologna, Italy.	Device for controlling the feed rate of cigarette packing mechanism.
44.	132011	12-1-1972	J.P. MATHUR & P. P. MATHUR, 18 Stanley Road, Allahabad, U.P., India.	Fire alarm device.
45.	132033	8-7-1971	RAYMOND GAMUS, 27 Avenue Fosh, 75 Paris 16, France.	Construction element made of reinforced plastics.
46.	132045	9-7-1971	UOP INC, 30 Algonquin Road, Des Plaines, State of Illinois, U.S.A.	Flow distributing apparatus and use thereof.
47.	132058	9-7-1971	CARDWELL WESTINGHOUSE COMPANY, 332 South Michigan Avenue, Chicago, Illinois, U.S.A.	An improved railroad car brake rigging arrangement.
48.	132141	14-7-1971	GIRLING LIMITED, Warwickshire, England.	Lock actuators for vehicle wheel brakes.
49.	132261	5-8-1972	YOSHIO KATO, No. 31 Nishinagashondor, Amagasaki City, Hyogo, Japan.	An apparatus for medical treatment.
50.	132269	27-7-1971	F.L. SMIDT & CO A/S 77, Vigerslev Alle, Copenhagen-Valby, Denmark.	Rotary kiln with cooler tubes.
51.	132283	28-7-1971	BURROUGHS CORPORATION, Second Avenue, of Burroughs, Detroit, Michigan, U.S.A.	A display device.
52.	132306	30-7-1971	GIRLING LIMITED, Warwickshire, England.	Disc brakes.
53.	132324	10-11-1969	THE BATTELLE DEVELOPMENT CORPORATION, 505 King Avenue, Columbus, Ohio, U.S.A.	Making dense metal articles.
54.	132411	6-8-1971	PARKS CRAMER CO, 444, Fitchburg, Massachusetts, U.S.A.	Yarn piecing apparatus.
55.	132437	9-8-1971	ASHWORTH BROS, INC., 670, Fall River, Massachusetts, U.S.A.	Card Clothing.
56.	132494	13-8-1971	RAYMOND CAMUS 27, Avenue Fosh 75 Paris 16, France.	Plant for reinforced concrete construction Panels.

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57.	132518	16-8-1971	DRESSER INVESTMENTS N.V., Willemsted, Curacao, Netherlands Antilles.	Apparatus for mixing and modulating liquid fuel and intake air for an I.C. Engines.
58.	132556	18-8-1971	GIRLING LIMITED, Warwickshire, England.	Vehicle brakes.
59.	132567	18-8-1971	LESLIE GORDON HUDSON, Little Copped Hall Epping, Essex, England.	Apparatus for performing tubes.
60.	132573	19-8-1971	GIRLING LIMITED, Warwickshire, England.	Load transmitting struts.
61.	132577	19-8-1971	BORGS FABRIKS AKTIEBOLAG, Norrköping, Sweden.	Aircraft arresting device.
62.	132588	20-8-1971	GIRLING LIMITED, Warwickshire, England.	Vehicle brakes.
63.	132591	20-8-1971	SOCIETE TECHNIQUE POUR L'UTILISATION DE LA PRECONSTRAINTE (S.T. U.P. PROCES FREYSSINET) 66, rue de la Reine, Boulogne-Billan Court, Hauts de Seine, France.	Expansion joint between two portions of ground covering.
64.	132659	25-8-1971	USS ENGINEERS AND CONSULTANTS INC, 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A.	Effecting rapid heat treatment of steel plates.
65.	132662	4-11-1971	HARISH TEXTILE ENGG. PVT. LTD. 19, Parsi Panchayat Road, Andheri (E), Bombay, India.	Rotary Screen printing machine.
66.	132737	1-9-1971	GIRLING LIMITED, Warwickshire, England.	Automatic adjuster.
67.	132832	8-9-1971	USS ENGINEERS AND CONSULTANTS INC, 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A.	Liquid flow controlling attachment to a bottom pour vessel.
68.	132838	8-9-1971	INSTRANETICS INC, 1115, East Elon Avenue, Fullerton, California, U.S.A.	Receiver for disposable surgical implements.
69.	132857	9-9-1971	KONINKLIJKE NETHERLANDSCHE HOOGOVENS EN STAALFABRIEKEN N.V. IJmuiden, Netherlands.	Controlling apparatus for the conveyance of loose bulk material.
70.	132866	10-9-1971	DUNLOP HOLDINGS LIMITED, London, England.	Pneumatic tyres.
71.	132906	14-9-1971	KONINKLIJKE NETHERLANDSCHE HOOGOVENS EN STAALFABRIEKEN, The Netherlands.	Device for mixing and homogenizing of bulk material.
72.	132945	17-9-1971	TALLEMACHE COMPOSITING SYSTEMS LTD., 143 Maple Road Surbiton, Surrey, England.	Ballistic separator/pulveriser.
73.	132948	17-9-1971	THYSEN PUROFER GMBH, 42 Oberhausen Essenerstreet 66, FRG.	Shaft furnaces.
74.	132963	18-9-1971	TAKATA KOJYO CO. LTD., 10 Mori Building 28 Sakuragawa-cho, Nishikuto, Shiba, Minatoku Tokyo, Japan.	Producing relatively rigid articles.
75.	132991	21-9-1971	G.W.B. BOILERS LTD, Burton Works, Dudley, Country of Worcestor, England.	Industrial boilers.
76.	133025	23-9-1971	SCOVILL MANUFACTURING COMPANY, Waterbury, Country of New Heaven, Connecticut, U.S.A.	Insert and core mechanism of Pneumatic valve.
77.	133026	23-9-1971	Do.	Pneumatic valve insert.
78.	133027	23-9-1971	Do.	Valves for tubless tyres.
79.	133036	5-12-1971	THE TEXTILE AND ALLIED INDUSTRIES RESEARCH ORGANISATION, Kajibhavan Premises, Baroda-I, Gujarat, India.	Open end spinning.
80.	133102	4-10-1971	IMPERIAL CHEMICAL INDUSTRIES LTD., Imperial Chemical House, London, England.	Drawing and heat treating process of a tour of filaments.
81.	133133	6-10-1971	VEREINIGTE OSTERREICHISCHE EISEN and STAHLWERKE ALPINE MONTAN AG, Vienna, Werksgenande, Liz, Austria.	Converter with a detachable floor.

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82.	133146	6-10-1971	KONINKLIJKE NETHERLANDSCHE, HO- GOVENS EN STAALFABRIEKE N. V., Netherlands.	Comminuting dry material by crushing grind- ing or milling.
83.	133147	6-10-1971	F.L. SMIDTH & CO A/S, Copenhagen Valby, Denmark.	Apparatus for coding cement clinker.
84.	133148	6-10-1971	Do.	Drag chain.
85.	133198	11-10-1971	PRESSURE COOKERS & APPLIANCES LTD, United India Building, Sir P. M. Road, Bombay, M.S., India.	Pressure cookers.
86.	133226	14-10-1971	WESTINGHOUSE AIR BRAKE CO, Pitts- burgh, Pennsylvania, U.S.A.	Fluid pressure brake equipment.
87.	133227	14-10-1971	DUNLOP HOLDINGS LTD, London, England.	Reinforced flexible Hose.
88.	133238	15-10-1971	CLUETT, PEABODY & CO, INC, 433 River Street, Tray, New York, U.S.A.	Compressively shrinking simultaneously a plurality of layers of fabrics.
89.	133239	15-10-1971	JERVIS B. WEBB COMPANY, 9000 Alpine Avenue, Detroit, Michigan, U.S.A.	Conveyor carriers.
90.	133270	19-10-1971	GIRLING LIMITED, Warwickshire, England.	Disc brakes for vehicles.
91.	133293	15-5-1972	KRISHNA RAMCHANDRA DATYE, Amit Bldg., Flat No. 10 Behind Denad Bank, Nehru Road, Ville Parle (E), Bombay, India.	Constructing reinforced concrete under- ground structures such as foundations, piles, diaphragm walls.
92.	133319	5-10-1972	AHMEDABAD TEXTILE INDUSTRY'S RE- SEARCH ASSOCIATION, P.O. Polytechnic, Ahmedabad-15, India.	Measuring humidity and drying condition in hot air drying machines.
93.	133380	27-10-1971	ABEX CORPORATION, 530 Fifth Avenue, New York, N.Y., U.S.A.	Disc brakes.
94.	133409	29-10-1971	GIRLING LIMITED, Warwickshire, England.	Hydraulic brakes for vehicles.
95.	133428	22-9-1971	HAMEL GMBH, Munster/Weslf, Dahlweg, 102, FRG.	Thread braking device for double strand yarn spindles.
96.	133482	4-11-1972	DEERE & COMPANY, Moline, Illinois, U.S.A.	Process for finishing patterns and core boxes.
97.	133504	5-11-1971	CARDWELL WESTINGHOUSE Co. Illinois, U.S.A.	Cushioning arrangement for rail road cars.
98.	133527	8-11-1971	TERRANCE J. WATERS, 33560, Malholland Highway Malilre, California U.S.A.	Hyperboloid buildings.
99.	133560	10-11-1971	USS ENGINEERS & CONSULTANTS INC, Pittsburgh, Pennsylvania, U.S.A.	Temperature sensing device.
100.	133567	10-4-1972	S. MANI, Ground Floor, 130/B, Jodhpur Park, Calcutta-31, W.B., India.	Hydraulic pumps and motors.
101.	133580	17-11-1972	THE T.A.I.R.O., Baroda, Gujarat, India.	Laboratory sizing machine.
102.	133581	17-11-1972	Do.	Builder motion mechanism for doubling machine.
103.	133631	15-11-1972	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi, India.	Method of grouting roof bolt.
104.	133692	22-11-1971	THE GOODYEAR TIRE & RUBBER COM- PANY, 1144 East Market Street, Akron, Ohio, U.S.A.	Tire building machine and Pneumatic tires built from it.
105.	133829	1-12-1971	RUST FURNACE COMPANY, 930 Fort Duquesne Boulevard, Pittsburgh, Pennsylv- ania, U.S.A.	Heating furnace.
106.	133841	3-12-1971	U.S.AMADA LTD, 615, 8th Avenue South, Seattle, Washington, U.S.A.	A punch press.
107.	133862	7-12-1971	UOP INC, 10 Uop Plaza, Algonquin and Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Vapour liquid contacting device.
108.	133878	7-12-1971	INJECTO PVT. LTD, 20/5 Mathura Road, Faridabad-2, Haryana, India.	Carburettor.

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109.	133879	27-11-1972	AGRO INSTRUMENTS CORPORATION, 62/J/1 Maharaja Tagore Road, Calcutta, W.B., India.	Soil moisture gauge.
110.	133901	9-12-1971	GIRLING LIMITED, Warwickshire, England.	Fluid flow control valve.
111.	133934	14-12-1971	PIPE SUPPORTERS LTD, Salwarpe Road, Droitwich, Worcestershire, England.	Improved pipe supports.
112.	133941	15-12-1971	WILHELM STAHLCKER G.m.b.H, 7341, Reichenback, West Germany.	Bearing unit for open end spinning turbines.
113.	133944	15-12-1971	GIRLING LIMITED, Warwickshire, England.	Shoedrum brakes for vehicles.
114.	133952	25-8-1971	HARISH TEXTILE ENGG. PVT. LTD, 19, Parst Panchayat Road, Andheri (E), Bom- bay-69, M.S., India.	Rotary Screen printing machine.
115.	133961	25-8-1972	C.S.I.R., Rafi Marg, New Delhi, India.	Orange juice extracting machine.
116.	133988	17-12-1971	INJECTO PVT. LTD, 20/5, Mathura Road, Faridabad-2, Haryana, India.	Carburettor.
117.	134013	20-12-1971	SCOVILL MANUFACTURING COMPANY, Waterbury, Country of New Heaven, Con- necticut, U.S.A.	Valves pressurible containers.
118.	134052	2-9-1972	A.T.I.R.O., Ahmedabad, Gujarat, India.	Apparatus for obtaining visual representa- tion of movie pattern of pitch bound or metal reeds to check uniformity or non- uniformity of dent-air spacing in the reeds.
119.	134077	27-12-1977	(1) MITSUBISHI PETROCHEMICAL CO. LTD, 3-12 Chome Marunouchi, Chiyoda-ku, Tokyo, Japan and (2) DAINICHI-NIPPON CABLES LTD, 8 Nis- hino-cho, Higashimurajima, Aomori-shi, Hyogo, Ken, Japan.	Manufacturing an elongated articles.
120.	134083	27-12-1971	DANA CORPORATION, 4500 Dort Street, City of Toledo, State of Ohio, U.S.A.	Piston rings.
121.	134120	4-8-1970	WESTINGHOUSE AIRBRAKE COMPANY, Pennsylvania, U.S.A.	Propulsion and braking control system for railroad vehicles.
122.	134150	31-12-1971	GEBRUDER ORTLINGHAUS ohg, Wermelo- kirchen ken klanster Street, FRG.	Combined pressure operated clutch braking device.
123.	134157	29-3-1973	(1) INDIAN JUTE INDUSTRIES RESEARCH ASSOCIATION, 17 Taratola Road, Calcutta, India and (2) STAR TEXTILE ENGG. WORKS LTD., Appolo Road, Bombay, India.	Process of drafting jute fibres in a spinning machines.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
141155 (08.06.76)	Process for preparing virus vaccines.
141163 (19.02.75)	Process for the preparation of novel ar- yloxyaminobutanol derivative.
141164 (07.03.75)	Process for the preparation of S-triazolo- (3, 4-B)- benzothiazoles.

No.	Title of the invention
141166 (31-07-75)	Method of preparing microcrystalline 3- (α -acetonylbenzyl)-4-hydroxy coumarins (warf- arin).
141429 (30-09-74)	Process for the preparation of benzimidaz- ole derivative.

RENEWAL FEES PAID

102338	103262	103292	103519	104111	104429	104645	105212
108320	108397	108678	108699	108716	108777	108787	108788
108891	108904	108916	109014	109015	109021	109026	109092
109199	109296	109478	109540	109714	109739	109776	110919
113860	114024	114103	114314	114524	114617	114666	114697
114738	116558	119271	119317	119386	119420	119487	119522
119556	119623	119635	119799	119816	119891	120094	120255

120700 123491 124086 124692 124694 124725 124729 124756
 124771 124780 124781 124790 124806 124807 124843 124899
 124900 125000 125026 125028 125052 125381 125404 125764
 125888 129798 129875 129882 129934 130048 130070 130125
 130165 130247 130371 130553 130775 130824 132080 133934
 134171 134184 134187 134195 134216 134220 134230 134238
 134279 134281 134282 134284 134305 134306 134307 134326
 134340 134354 134356 134363 134365 134371 134380 134491
 134669 134733 134783 134831 134855 134958 134988 135087
 136302 136562 136577 136594 136595 136615 136630 136639
 136754 136908 137106 137336 137337 137338 137361 137642
 137684 137734 137844 138025 138060 138160 138315 138343
 138596 138695 138990 139044 139240 139364 139658 139947
 140141 140240 140440 140776 140855 140962 141367 141456
 141459 141492 141713 141734 141753 142067 142333 142533
 142634 142656 142694 142779 142848 142886 143017 143215
 143241 143305 143577 143594 143713 143728 143828 143863
 143921 143983 144052 144122 144244 144385 144575 144690
 144765 144829 144845 144931 145258 145305 145313 145546
 145716 145782 146076 146171 146261 146387 146408 146489
 146502 146568 147036 147099 147206 147207 147249

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 143616 granted to Dimentional Plastiglas Industries Pvt. Ltd., for an invention relating to "improved method for manufacture of synthetic resin mouldings from liquid synthetic resins." The patent ceased on the 28th April, 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 18th October, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 31st March 1981 under Rule 69 of the Patents Rules, 1972.

A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

—NIL—

EXTENSION OF COPYRIGHT FOR THE SECOND PERIOD OF FIVE YEARS

Design Nos. 142806, 142807, 143067, 143068, 143069, 143477, 143560, 143618, 145105, 146992—Class 1.

Design Nos. 143076, 143101, 143121, 143209, 143210, 143211, 143428, 143429, 143532, 143567, 143568, 143569, 144335, 149044—Class 3.

Design Nos. 142742, 143316, 143407—Class 4.

Design No. 143610—Class 5.

Design Nos. 143561, 143563, 143564, 143565—Class 10.

EXTENSION OF COPYRIGHT FOR THE THIRD PERIOD OF FIVE YEARS

Design Nos. 137969, 138125, 143560—Class 1.

Design Nos. 137542, 138169, 138170, 138171, 138208, 138209, 138246, 143076, 143168, 143532, 144335, 149044—Class 3.

Design Nos. 138436, 143316, 143407—Class 4.

Design Nos. 138062, 138210, 138211, 138213.

S. VEDARAMAN

Controller-General of Patents,
 Designs and Trade Marks.

